

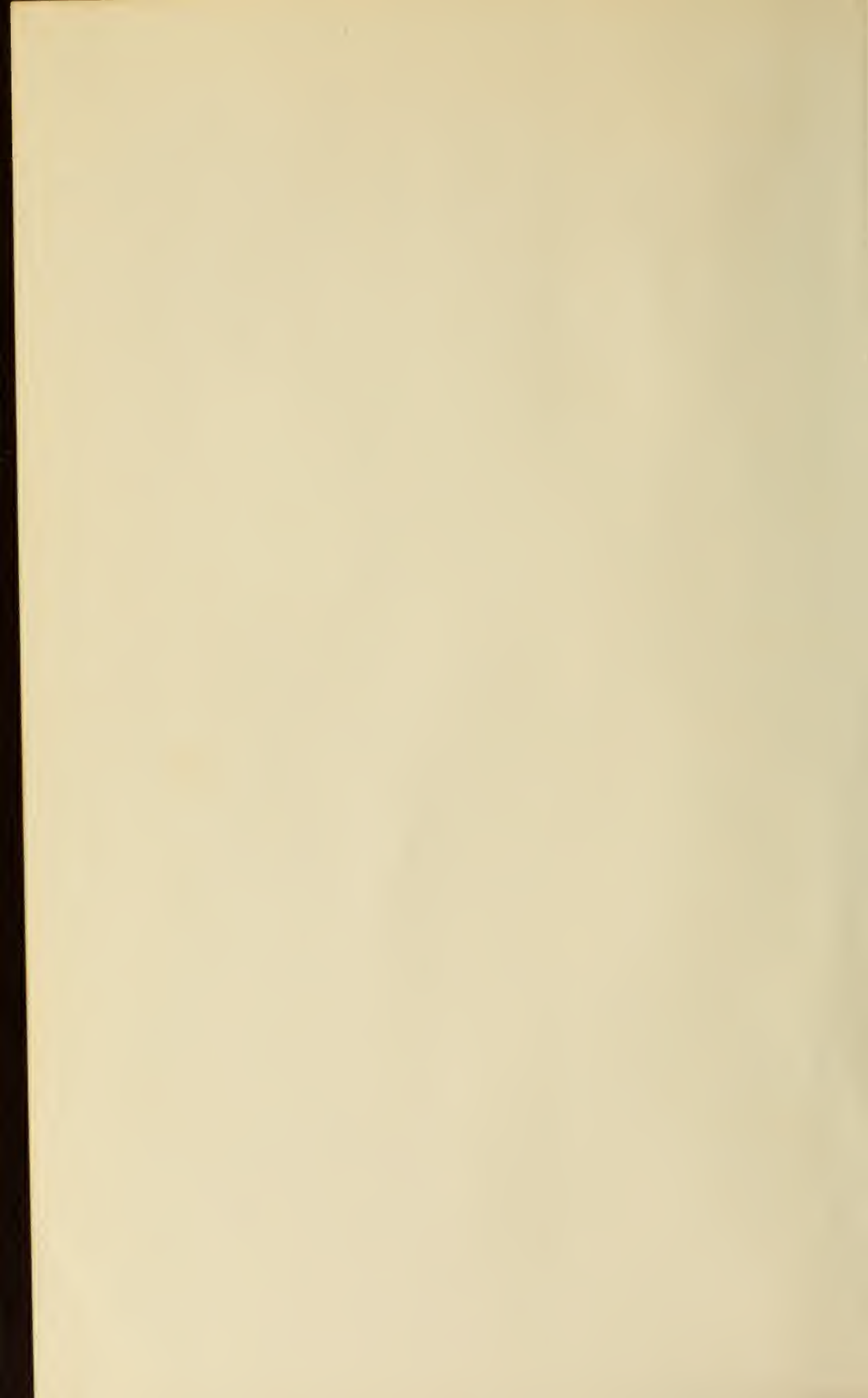
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BULLETIN OF ARMSTRONG JUNIOR COLLEGE

1946-1947

A City Supported Junior College of Savannah, Georgia



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Volume XI Number 1

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1946-1947

SUMMER — FALL — WINTER — SPRING

BULLETIN OF

Armstrong Junior College

A City Supported Junior College
of Savannah, Georgia



20031

MEMBERSHIP IN

American Association of Junior Colleges
Southern Association of Colleges and Secondary Schools
Association of Georgia Colleges

Volume XI

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Number 1

ARMSTRONG COLLEGE
LIBRARY

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“Education is a companion which no misfortune can depress—no crime destroy—no enemy alienate — no despotism enslave. At home, a friend; abroad, an introduction; in solitude, a solace; and in society, an ornament.”





HERSCHEL V. JENKINS HALL

ACADEMIC CALENDAR

1946-1947

Summer Session

Registration.....	Wednesday, June 12
Classes Begin.....	Thursday, June 13
Examinations.....	Tuesday, July 23

Fall Quarter

Freshman Counselling and Registration

Tuesday, Wednesday, Thursday, Friday.....	September 17-20
Upperclassman Registration.....	Friday, September 20
Classes Begin.....	Monday, September 23
Test.....	Friday, October 18
Test.....	Wednesday, November 20
Thanksgiving Holidays.....	Thursday-Saturday, November 28-30
Examinations.....	Monday, Tuesday, Wednesday, December 16, 17, 18
Homecoming.....	Friday, December 20
Christmas Holidays.....	December 19-30

Winter Quarter

Registration.....	Thursday, January 2
Classes Begin.....	Friday, January 3
Test.....	Friday, January 24
Test.....	Friday, February 21
Examinations.....	Monday-Wednesday, March 17-19

Spring Quarter

Registration.....	Friday, March 21
Classes Begin.....	Monday, March 24
Open House.....	Wednesday, April 16
Test.....	Friday, April 25
Examinations.....	Wednesday-Friday, June 4-6
President's Reception.....	Friday, June 6
Sophomore-Alumni Luncheon.....	Saturday, June 7
Graduation Exercises.....	Monday, June 9

THE COLLEGE COMMISSION

HERSCHEL V. JENKINS	<i>Chairman</i>
WILLIAM MURPHEY	<i>Vice-Chairman</i>
OLIN F. FULMER, <i>Ex Officio</i>	ORMOND B. STRONG, <i>Ex Officio</i>
JAMES P. HOULIHAN, <i>Ex Officio</i>	FRED WESSELS
GUNNAR W. E. NICHOLSON	REV. JOHN S. WILDER, D.D.,
HON. PETER R. NUGENT, <i>Ex Officio</i>	<i>Ex Officio</i>
MRS. JULIAN K. QUATTLEBAUM	EDGAR L. WORTSMAN

THE FACULTY

FOREMAN M. HAWES, A.B., M.S.	<i>President</i>
ARTHUR M. GIGNILLIAT, A.B., M.A.	<i>Registrar</i>
W. ORSON BEECHER, A.B., M.A.	<i>Dean of Students</i>
W. ORSON BEECHER, A.B. and M.A., Emory University; M.A., University of Georgia.	
<i>Instructor in Social Sciences and Director of</i>	
<i>Armstrong Forum.</i>	
EVERETT L. BISHOP, JR., A.B. and M.S., Emory University; Ph.D., State University of Iowa.	
<i>Instructor in Biology and Meteorology.</i>	
HELEN WOODWARD BRANDRIFF, A.B., Maryville College; B.S. in Library Science, Peabody College; M.A., Vanderbilt University.	
<i>Librarian.</i>	
MONA ROBINSON CHIVINGTON, Ph.B., University of Chicago.	
<i>Instructor in English.</i>	
WILLIAM M. DABNEY, A.B. and M.A., University of Virginia.	
<i>Instructor in History and Political Science.</i>	
ELEANOR JOYCE DOYLE, B.S., Immaculata College; M.A., Catholic University of America.	
<i>Instructor in Spanish and Latin American History.</i>	
MARTHA BOZEMAN FAY, B.S., Rockford College; M.S. and Ph.D., University of Illinois.	
<i>Instructor in Biology</i>	
MILDRED GLADYS FEAGIN, B.S., University of Georgia.	
<i>Instructor in Mathematics and Physics.</i>	

ARTHUR M. GIGNILLIAT, A.B. and M.A., University of Georgia.

Instructor in English.

NOMA LEE GOODWIN, A.B., Duke University; Graduate Study, Duke University.

Instructor in English.

MARY E. JENKINS, A.B., University of Georgia; Graduate Study, University of Georgia.

Instructor in English

MARGARET SPENCER LUBS, B. Mus., Converse College; A.B., University of Georgia; M.A., Columbia University.

Instructor in French.

HARRY B. MILLER, B.S. in Ch.E., University of North Carolina; Graduate Study, University of North Carolina.

Instructor in Chemistry.

MARJORIE A. MOSLEY, Associate in Finance and Commerce, Armstrong Junior College.

Secretary.

IRA LEE NICHOLS, B.S. in General Engineering, Georgia School of Technology.

Instructor in Engineering Drawing

JEANNE PATTERSON OLSON, B.S., University of Georgia; M.S., University of Wisconsin.

Instructor in Home Economics.

MARGARET PERSEE, Associate in Liberal Arts, Armstrong Junior College.

Assistant Registrar and Treasurer.

DOROTHY THOMPSON, A.B., Monmouth College; Social Work, Milwaukee School of Social Work. M.A., Northwestern University. Certificate of Psychiatric Social Work. Western Reserve University.

Instructor in Psychology.

JAMES HOLMES SCARBOROUGH, B.S.E.E., Emory University; Graduate Study, Emory and Harvard Universities.

Instructor in Physics and Mathematics

GLADYS ZILCH, Special Courses in Typewriting and Shorthand. University of Michigan and University of Florida.

Instructor in Typewriting and Shorthand.

EVENING SCHOOL

W. ORSON BEECHER,

Film Classics

MISS ELEANOR DOYLE,

Introductory Spanish, Intermediate Spanish

MRS. EDWARD R. GREY,

Creative Handicraft

ROBERT HERIOT,

Photography

HARRY B. MILLER,

Physical Science

LAWRENCE W. ROSS,

Applied Psychology

MRS. CHARLTON THEUS,

Furniture and Ceramics

O. E. WYNN

Bookkeeping and Accounting

MRS. GLADYS ZILCH,

Shorthand and Typing



ARMSTRONG BUILDING

HISTORY, ORGANIZATION AND AIMS

Realizing that there was an increasing number of young men and women who found it inconvenient or inadvisable to continue their education at out-of-town colleges, Mayor Thomas Gamble and a group of leading citizens conceived the idea of establishing a junior college in Savannah. These men, working tirelessly over a period of months, finally saw their hopes become an actuality when on May 27, 1935, the Board of Aldermen authorized the establishment of a municipally supported junior college to be governed temporarily by a commission of fourteen members appointed by the mayor. The first commission was composed of the following leading Savannah citizens: Chairman, A. Pratt Adams; Vice-Chairman, Thomas Gamble; Henry Blun, H. L. Fulton, H. M. Garwes, H. F. Gibbons, H. V. Jenkins, H. L. Kayton, Mrs. Mills B. Lane, A. B. Lovett, Frank W. Spencer, O. B. Strong, Mrs. Lucy B. Trosdal, Miss Ola M. Wyeth. By an act of the 1937

General Assembly the size of the commission was reduced to eight, including the Mayor and Chairman of the Chatham County Board of Education as ex-officio members. In 1941, the chairman of Chatham County Commissioners, the Superintendent of the Board of Education, and the President of the Savannah Chamber of Commerce were added as ex-officio members of the commission. The day before the ordinance creating the college was passed, Mayor Gamble announced that the problem of housing the new school was solved by Mrs. Lucy M. C. Moltz and her daughter, Mrs. Lucy A. Johnson, who had generously presented their beautiful house as a memorial to George F. Armstrong, their husband and father, respectively. Because of the many spacious rooms, remarkably few changes were necessary to fit the building for college purposes. The Armstrong Building, of Italian Renaissance architecture, is one of the most beautiful and expensive college buildings in the South.

In February, 1936, Mayor Thomas Gamble was awarded the Lucas Trophy for the conspicuous part he played in founding the Junior College. In his speech of acceptance, Mr. Gamble announced that he had received the gift of a building from Mr. Mills B. Lane to house classes in finance and commerce, the building to be named in honor of the donor.

Situated between the Armstrong and the Lane buildings is the Herschel V. Jenkins Hall, erected and equipped by the city of Savannah and the federal government at a cost of \$70,000. All three buildings, standing side by side, face on Forsyth Park, the most beautiful park in the city, which consists of forty acres and is used by Armstrong students for recreational purposes. The Georgia Historical Society Library, to which the students have access, faces the park and lies just across Whitaker street from the college buildings.

Under the will of the late Carrie Colding, one-half of the sale price of the Colding residence on Jones Street was conveyed to the College.

A \$100,000 science building to house biology, chemistry and physics was constructed by the city in 1941. This building, the Thomas Gamble Hall, is equipped with excellent laboratories and lecture rooms.

In 1945 the handsome building on the southwest corner of Bull and Gordon Street was presented to the college in memory of John W. Hunt. It is known as Hunt Memorial Building. In December of that year the basement floor was constructed into offices and occupied by the Armstrong Junior College Veterans Administration Guidance Center.

In September, 1946, the Home Economics Department will occupy this building.

Armstrong Junior College seeks to serve Savannah and the adjacent community by giving to the young men and women who attend its classes an understanding of the world in which they live and an appreciation of the best that has been achieved by western civilization. Its graduates are equipped to continue their studies in the junior class of a senior college; but for those who do not desire to pursue their work elsewhere, terminal work is offered. The college attempts to provide its students with a keener realization of the duties and responsibilities of citizenship and a broader conception of the world and its problems.

Library

The college library, occupying the first two floors of the Lane Building, includes two beautiful and well-lighted reading rooms on the main floor of the building, with additional space for study and reading provided in the stack room on the second floor. The library houses at present over 6,000 volumes, with frequent and carefully chosen additions to its resources. Emphasis is being placed currently on securing books dealing with adult education and with the rehabilitation of returning service men and women, as well as on obtaining materials to meet the regular academic demands of a junior college. Standard reference works are contained in the library, and some 80 periodicals are subscribed to, or otherwise currently received. Subscription to six newspapers, four of them daily, is maintained. The library is fortunate in being the recipient of a large and outstanding collection of history books, the gift of the late Mr. Thomas Gamble.

Students are encouraged to read widely in the fields of fiction and non-fiction, and in particular to keep up with current periodical materials. In addition to the resources of the college library, students are invited to use the Savannah Public Library and the Library of the Georgia Historical Society, the latter only one-half block from the Junior College. An orientation course, dealing in part with training in the use of the library, is offered in the fall quarter of each year.

The library, which is under the supervision of a trained librarian and five students assistants, is open each week-day from 8:30 until 6:00, and on Saturdays from 9:00 until 1:00.

Laboratories

The college has completely equipped laboratories in physics, chem-



MILLS B. LANE MEMORIAL BUILDING

istry, biology, and home economics.

Scholarships

The following scholarships are available for deserving students:

4 Arthur Lucas scholarships, \$100.00 each

1 John Helm Maclean Memorial scholarship, \$100.00

2 Savannah Gas Company Home Economics scholarships, \$100.00 each

3 Junior Chamber of Commerce scholarships, \$100.00 each.

2 Savannah Gas Company Engineering scholarships, \$100.00 each

8 Commission work scholarships, \$100.00 each

(Students who hold these Commission scholarships are assigned work as library, laboratory, or clerical assistants.)

1 Pilot Club Loan, \$100.00

In addition to the above, the Savannah Gas Company gives a



THOMAS GAMBLE BUILDING

scholarship of \$300.00 to the Georgia School of Technology. This is open to any male student who completes three quarters of freshman engineering at Armstrong Junior College. One will be awarded at the graduation exercises in June, 1947.

Armstrong Guidance Center

In December 1945 the Veterans Guidance Center began operation. A joint undertaking between the United States Government and the College, it employs a large staff of trained personnel to advise and help returned service men and women. The Armstrong Guidance Center is one of four similar psychological clinics in the State of Georgia and serves a territory including 38 counties. By the middle of May, 1946, approximately five hundred and fifty veterans had taken advantage of



VETERANS GUIDANCE CENTER

its comprehensive testing and counseling program. The services of the guidance center are available, without expense, to all veterans who desire assistance with their educational or vocational planning. During 1946 the Center occupied quarters on the ground floor of the Hunt Memorial Building, in addition to a large room in the Armstrong Building for Veterans Administration Training Officers. The following is a list of the Armstrong Staff employed in this service:

- L. Ross Cummins, Director
- Norman Kaplan, Counselor
- Mary Garrard, Counselor
- David Middleton, Counselor
- Jane McRae, Psychometrist
- Ethelyn U. Stults, Assistant Psychometrist
- Eleanor M. Salter, Secretary
- Margaret Holt, Secretarial Assistant and Psychometric Clerk

Endowment

Inaugurated in 1944 with contributions from some fifty members of the Alumni Association, Armstrong's Endowment Fund was greatly increased by a gift from the *Morning News*. The College hereby expresses sincere appreciation for these contributions.

Student Activities

With a firm belief in the developmental function of individual or concerted group expression, Armstrong Junior College has made student activities an integral part of its program, with participation in one or more of its organizations expected of every student. At the end of each college year, at the Alumni Luncheon in June, those students who have taken part to an outstanding extent in college activities throughout the year are awarded a silver "A." A point system, gauging leadership activity and ability, determines who shall be the recipients of these awards.

STUDENT SENATE

The Student Senate is composed of the following representatives: the president of the sophomore and freshman classes; the editor of the *Inkwell*; the editor of the *Geechee*; one representative from each organization recognized by the Senate; and two freshman representatives to be elected by the class one week after election of class officers. This group, which meets from time to time throughout the year, serves as the official student agency for coordinating college activities and for expressing student opinion.

THE STUDENT FORUM

The Student Forum meets twice each month for consideration of national, international and college topics which are of interest to the student membership. Discussions, debates and guest speakers make up its programs. The Student Forum usually sponsors a dance and a party during the year. The members of the Student Forum assist in many ways in making the Armstrong Forum a success. Membership is open to any student who wishes to join. An invitation is not necessary.

BETA LAMBDA

The Home Economics Department maintains a club which meets bi-monthly for discussion of current problems. In addition to its regular scheduled meetings, this club is frequently responsible for the preparation and serving of refreshments at teas, dances, and receptions. In the decoration of student lounge rooms and a home economics class-room for art courses, practical experience is obtained in the pur-

chase of furnishings, and in their effective arrangement and use.

MUSIC CLUB

The Music Club meets twice each month for programs of classical recorded music. Varied and well-balanced programs of symphony and chamber music are arranged, and occasionally music of a lighter vein is included. Before each concert in the city, the Music Club presents the outstanding work announced for the concert, and in this manner serves to build up in its members a familiarity with classical music.

RADIO CLUB

The Armstrong Radio Club, youngest organization in the student activities program, exists for the purpose of giving students the opportunity to participate in the preparation and presentation of various types of programs over the air. Students who belong to this club receive a great deal of enjoyment in presenting entertainment, as well as valuable training which may be useful to them later in life.

At present, the activities of this organization are somewhat limited, since it is impossible to secure radio equipment. Nevertheless, the Radio Club has, in addition to presenting assembly programs at the school, broadcast over the air through the facilities of a local radio station. A weekly panel discussion of topics of current interest has been inaugurated this spring.

The college plans to establish its own studio, with complete broadcasting equipment, as soon as the necessary materials are available.

RIDING CLUB

The Riding Club meets each Saturday morning for rides through the beautiful wooded bridle paths of the Ranch Riding School. Expert instruction in riding is given to all beginners, and supervision is provided at all times if desired. Membership in this club may serve as a part of the student's physical education requirements. A small monthly fee is charged.

ATHLETIC TEAMS

Basketball, softball, and bowling teams are supervised by the Physical Education Department. These teams play in the city tournaments.

SORORITIES

There are two social sororities recognized by the college: Alpha Tau Beta and Delta Chi. Membership in these groups is by invitation.

PUBLICATIONS

Students have complete responsibility for the two Armstrong publications: the *Inkwell*, a monthly newspaper; and the *Geechee*, the college annual. Work on the *Inkwell* provides opportunity for news reporting, feature writing, and other expression of student opinion and talent, as well as for actual experience in the business management of the newspaper. Participation in the preparation of the *Geechee* furnishes excellent experience in photography, lay-out, and in organization generally. Here, too, facility in handling and financing a publication is acquired or increased.

The Geechee Report is published by the Alumni Association. Its purpose is to keep the alumni informed of activities at the college and to help them keep in touch with other alumni.

SAVANNAH PLAYHOUSE

The Savannah Playhouse, a community theater sponsored and directed by the college, gives the students actual experience in acting, make-up, and the techniques of production. Discontinued for the duration, the Playhouse will be re-opened as soon as practicable.

Armstrong Junior College Forum

Beginning in 1944 the Armstrong Junior College Forum arranged to bring to the college students and to the people of Savannah a number of lecturers recognized as men and women of outstanding accomplishment in national and international affairs. A group of citizens from the community, known as the Advisory Committee, cooperated with the Director in selecting the subjects and personalities to make up the programs for the year.

The College believes that such a series of lecture-forums is of great value to the student body and to the community at large, in that it provides an opportunity for hearing and discussing the opinions of recognized authorities on matters of public concern.

The Armstrong Junior College Forum presented the following pro-

grams during the 1945-1946 series:

Toni Sender, former member of the German Reichstag, "The Future of Germany."

Waldemar Kaempffert, Science Editor of the *New York Times*, "Science Points the Way to World Unity."

Anna Louise Strong, the author of *I Change Worlds* and other books on Russia, "Postwar Russia".

Bishop G. Bromley Oxnam, President of the Federal Council of Churches of Christ in America, "Religion and World Peace".

Dr. Henry Pratt Fairchild, Professor of Sociology at New York University, "The Future of Democracy".

Dr. Hervey Cleckley, Professor of Neuropsychiatry at the University of Georgia School of Medicine, "The Psychopathic Personality".

Stuart Chase, one of our country's leading and most popular economists, "Where Do We Go from Here?"

HOME-COMING

Early in the Christmas holiday season the College holds the annual Home-Coming Reception to which all students and Alumni are invited.

OPEN HOUSE

Each Spring the College holds an Open House, to which all students, parents, prospective students, and townspeople in general are invited. At this time exhibits are held, the work of the students displayed, and typical scientific experiments demonstrated. Tours are arranged throughout the college buildings, and refreshments are served to all visitors by the Home Economics Department.

Evening Classes for Adults

To adults interested in advancing their education and information, Armstrong Junior College offers evening classes in varied subjects. Most of the classes carry full college credit to those students properly qualified, but require no specific entrance qualifications other than an interest in learning. The classes meet twice a week in one and one-half hour periods at times arranged to suit the convenience of the students.

Below are listed courses which have proved particularly popular in the past; in addition to those listed, courses will be organized in any subject for which sufficient demand exists.

Biology 11-12. Human Biology.

English 11. The Use of the English Language, Spoken and Written.

History 10. World Problems Since 1914.

Mathematics 1. A Survey Course in Principles of Mathematics.

Psychology 32. Applied Psychology.

Psychology 33. Social Psychology.

Spanish 1-2. Introductory Spanish.

Architecture 1. Home Design and Planning Homes for the Future.

Art 12. Art in Everyday Life.

Bacteriology 1. A Laboratory Course in Practical Bacteriology.

History 11. Know Your Allies.

Mathematics 11. Engineering Mathematics.

Psychology 34. Major Theories of Personality Development.

Radio 1. Management and Broadcasting.

Sociology 61. Family Relations.

Bookkeeping and Accounting.

Shorthand and Typing.

Physical Science.

Photography.

Creative Handicraft.

Furniture and Ceramics.

Film Classics.

REGISTRATION

Registration for the Summer Session will be conducted on June 12 from 9:00 to 1:00 and 3:00 to 5:00. For other registration dates see the academic calendar. All students will register on the first floor of the Armstrong Building in the registrar's office.

Registration is not complete until fees are paid.

Requirements for Admission

ADMISSION BY CERTIFICATE

1. A candidate for admission to Armstrong Junior College must be a graduate of an accredited high school with sixteen units of credit.

2. A general average of all high school credits amounting to five points above the passing grade, when figures are used, or one step above passing when letters are used, will be required.

3. The following specific requirements must also be met:

A. Eight constants—3 units in English, 2 units in social studies, 2 units in mathematics (1 must be in algebra and 1 should be in plane geometry), and 1 unit in science.

B. Eight electives—4 of these electives must be from the following subjects: English, social studies, mathematics, science, and foreign language. Four units may be from the vocational and avocational groups.

A record of high school credits earned by the applicant should be made out on the proper forms by an official of the high school and mailed directly to the office of the registrar. This certificate becomes the property of the Junior College and cannot be returned to the applicant.

ADMISSION BY EXAMINATION

Students who do not meet the above requirements for admission by certificate may take entrance examinations prescribed by the College. A fee of two dollars is charged for each examination taken. Entrance examinations must be completed at least one week before registration. Additional information may be secured from the Registrar.

Admission of Veterans of World War II

In accordance with the recommendation of the State Department of Education that local high schools give diplomas to veterans who have completed four or more units of high school work in the local high schools and who make standard scores of 35 or more on each section of the G.E.D. test, or average standard scores of 45 or more on the whole test, Armstrong Junior College will accept veterans whose official test records show scores in excess of the above minimum and who are otherwise qualified.

Fees and Refunds

Fees will be charged according to the student load in quarter hours. A normal load is 16 to 17 quarter hours each term or quarter.

5 quarter hours . . .	\$17.50
10 quarter hours . . .	28.50
15-17 quarter hours . . .	40.00

A student who maintains a dean's list average will be permitted to take 20 quarter hours a term for \$45.00. If for any reason other students are permitted to take 20 hours of work the charge will be \$50.00.

Students taking laboratory work will be required to pay a small fee for materials and equipment. This fee is indicated in the description of the courses found under "Courses of Instruction" elsewhere in this bulletin.

Each student is required to pay \$2.00 once each year for a physical examination.

A late registration fee of \$2.00 will be charged any students who fail to register and pay fees on the day designated for registration at the beginning of each quarter, unless excused because of sickness.

Anyone withdrawing during the first thirty days of a quarter will receive a refund of one-half of the registration fee. No refunds will be made after the first thirty days of a term, and no refunds will be made to those dismissed from the college.

Courses Dropped and Transfers

Special permission from the Registrar is necessary to drop a subject

or to transfer from one subject to another.

Explanation of Course Credit

A course running five hours a week for one quarter carries 5 quarter hours, or 3 1/3 semester hours, credit. One quarter hour credit is allowed for each laboratory period.

Withdrawals

A formal withdrawal, presented in writing, is a prerequisite to honorable dismissal or re-entrance to this institution. Any student planning to withdraw should immediately make such intentions known to the administration of the school.

Dismissals and Permission to Re-Register

All students failing (except in cases excused before examinations on account of sickness) to pass at least one course other than physical education in any one quarter will be dropped from the rolls of the college. All students who fail to make an average of at least four honor points during the first three quarters' work at the Junior College will not be allowed to re-register. Withdrawal is recommended to all students with less than a "C" average at the end of the fourth quarter of college work, and at the end of the sixth quarter of college work a student must have an average of three-fourths an honor point per course in order to re-register.

Reports and Grades

Reports for every student will be sent to the parent or guardian at the end of every quarter. The reports are based upon the following system of marking:

A plus (95-100)		4 honor points per course
A (90-95)		3 honor points per course
B (80-95)		2 honor points per course
C (70-80)		1 honor point per course
D (65-70)		No honor points per course
E (Incomplete)	. . .	Minus one honor point per course
F (Failure)		Minus one honor point per course

An E (incomplete) may be removed by means stipulated by the instructor of the course in which the student received the grade E. An E not removed in the succeeding quarter automatically becomes an F.

In order to graduate, a student must receive as many honor points, based on the above grading system, as the number of courses required for graduation.

Honors

Students who maintain a grade of B or above in each course during a quarter's work will be placed on the *Dean's Scholastic Attainment List*.

The 20% of (1) advanced students and (2) students with less than six quarters' work who have the highest averages, provided this average is "B" or better, and have failed no courses, will have their names recorded on a *permanent Dean's List* in a book for that purpose kept in the office of the President.

Summa Cum Laude (with highest distinction) will be bestowed upon those receiving an average of 3 honor points per course.

A valedictorian will be elected by the graduating class from among the five students with the highest scholastic average in the work completed before the term in which the students graduate.

Freshman Week

Tuesday, September 17, throughout Friday, September 20, 1946, will be designated Freshman Week. All Freshman students will report in the Auditorium of Jenkins Hall at nine o'clock Tuesday morning, September 17, for the orientation and placement program.

During this period all freshman students will (a) be informed of the new problems facing them as college students and of the type of study needed to use their advantages wisely, (b) be given physical examinations at the Savannah Health Center for a fee of \$2.00, (c) be given a series of tests to help them and their advisers plan their curriculum wisely, and (d) be shown the rules and told of the extra-curricular activities of Armstrong Junior College. Each student will, at this time, be introduced to one of the faculty members who will act as his counsellor. The physical examinations given at this time are required of all students. Dr. Helen Sharpley will examine the women,

and another doctor, to be announced later, will examine the men.

Absence from Class and Tardiness

Any student who is absent from a class in excess of three times during one quarter must present a satisfactory written explanation to the instructor in order to receive credit for that course. A student who misses an announced test must, within a week, present to the instructor a written explanation of his absence, and a written request that he be permitted to make it up. It is the responsibility of the student, not the instructor, to make arrangements for this make-up. A student who enters a class after the roll has been checked will be marked absent.

Course Requirements for Graduation

A student must maintain an average of "C" to graduate.

Liberal Arts

(Quarter Hours)

Biology 1-2, or Chemistry 1-2 ✓
or Physics 21-22 10

All students who plan to major in a natural science
are required to take Chemistry 21, 22, 23.

Economics 21 (Introductory) ✓ 5

English 11-12 (Freshman) . ✓ 10

World Literature 1-2 . ✓ 10

Foreign Language . ✓ 10

History 1a and 1b 10

Mathematics 1 (Introductory) or

Mathematics 2 (College Algebra) 5

Ten hours from the following:

Psychology 31, 32, 33

Political Science

Sociology 60

Laboratory Sciences

Foreign Language

Physical Education 1-2 required

Electives 20

Total 90

HOME ECONOMICS

Biology 1-2 or	
Biology 11-12 (Human Biology)	10
Chemistry 1-2 (Inorganic)	10
English 11-12 (Freshman)	10
English 23-24 or World Literature 1-2	10
Art 11	5
Home Economics 1 (Clothing)	5
Home Economics 2-3 (Foods)	10
Home Economics 5 (Home Furnishing)	5
Home Economics 6 (Nutrition)	5
History 2-3 or 1a-1b	10
Mathematics 1	5
Sociology 60	5
Physical Education 1-2	required
Totals	90

FRESHMAN ENGINEERING

Fall Quarter

<i>Course</i>	<i>Quarter Hours</i>
Chemistry 21	5
English 11	5
Mathematics 2	5
Engineering Drawing 1	2
	17

Winter Quarter

Chemistry 22	5
English 12	5
Mathematics 3	5

Engineering Drawing 2	2
French or Spanish or Social Science	5
—	
	22

Spring Quarter

Chemistry 23	5
Mathematics 4	5
Engineering Drawing 3	2
French or Spanish or Social Science	5
—	
	17

*Suggestions to Students in
Regard to Courses*

In general, students who expect to continue their college work toward the degree of Bachelor of Arts, Bachelor of Science, Bachelor of Commerce, etc., will take the Liberal Arts course at Armstrong Junior College. Students are urged to consult the catalog of the senior college or university which they expect to attend and plan their courses at Armstrong accordingly.

PRE-MEDICAL STUDENTS are advised to schedule all their electives (20 hours) as well as the last group requirements of 10 hours in the laboratory sciences (biology, chemistry, physics) in order that they may be able to complete requirements for admission to medical school within one year after graduation from Armstrong.

Program for Student Nurses

Armstrong Junior College, in cooperation with the Candler Hospital, offers the following program for student nurses:

Anatomy 1n and Physiology 1n	6
English 1n	3
Sociology 61n	3
Microbiology 1n	3
Chemistry 13n	4

*Nursing 1n	1
*Nursing 2n and 3n	
*Nursing Arts 4n	4
Psychology 1n	3
Home Economics 2n	3
*Home Economics 5n	2
*Physical Education 1n	1
*Physical Education 2n	1
Total	34

* Courses given by Candler Hospital

COURSE DESCRIPTIONS FOR NURSES COURSES

Anatomy 1n—Two lecture or recitation periods and one three-hour laboratory period. The course runs through two quarters, or may be conducted in one quarter. Fee, \$2.50 each quarter.

This course is conducted concurrently with the course in physiology, thus integrating the subject matter. The course includes both gross and microscopical anatomy. Lectures, demonstrations and some dissection.

Physiology 1n—This course is conducted concurrently with the course in anatomy. In the integration of the two courses, a basic understanding of the functions of the normal human body is presented so as to enable the student better to understand health, nutrition, and the pathological changes due to disease. The blood group of each student is ascertained and recorded. The methods of instruction are the same as in anatomy.

Microbiology 1n—Two lecture or recitation periods and one three-hour laboratory period. Fee, \$2.00.

The title "microbiology" is used because it is that branch of biology that deals with plant and animal forms, while bacteriology includes only the micro-organisms of vegetable origin. The characteristics and activities of micro-organisms and their relation to health and disease are studied; also the sources, modes, and prevention of infection and isolation; disinfection and asepsis; tissue changes in the healing process, infections and neoplasms. Explorations of scientists in the field of microbiology and new discoveries applicable to health conservation are noted. Lectures, recitations, demonstrations and laboratory work.

Chemistry 13n—Three lecture or recitation periods and one three-hour laboratory period. Fee, \$2.50.

The purpose of this course is to acquaint students with the principles of inorganic, organic and physiological chemistry with special applications to nursing practice. General composition of blood and urine is studied; the students volunteering to eat certain diets which show relationship of utilization of foods, and kidney function through urinalysis.

Sociology 2n—This course considers (1) the principles of sociology; (2) the nurse as a citizen of the community and as a professional worker; (3) the importance of the hospital among the social agencies in the community; (4) the patient in the hospital coming from the

family and returning to the family. Three hours.

Home Economics 2n—Nutrition and Food Preparation, three hours.

The fundamental principles of nutrition and food preparation are considered. The nutrition requirements of children and of adults are compared. Special attention is given to the nutrition requirements of childhood and pregnancy.

Psychology 1n—Three hours. This course is an introduction to the study of human behavior with emphasis on the underlying principles of mental adjustments. The importance of the nurse's own personality is stressed.

English 1n—Three hours. A basic course in the fundamentals of reading, writing, and speaking English.

COURSE DESCRIPTIONS

ART

Art 11. Art Principles and Design. Two lectures and eight hours laboratory work each week for one quarter. Laboratory fee, \$2.50.

A study of the principles of art as seen in familiar works of art and as applied in problems of everyday life. Laboratory periods involve illustration of art principles, textile design, and work with crafts.

BIOLOGY

Biology 1. General Zoology. Three hours of lecture and four hours of laboratory work a week for one quarter. Laboratory fee, \$2.50. Deposit \$2.50.

An introduction to the structure and functions of animals. Laboratory work emphasizes vertebrate anatomy.

Biology 2. General Zoology. Three hours of lecture and four hours of laboratory work a week for one quarter. Laboratory fee, \$2.50. Deposit, \$2.50.

A continuation of Biology 1 with emphasis on biological principles. The Invertebrate Phyla are studied in the laboratory.

Biology 3. Invertebrate Zoology. Prerequisite, Biology 1 & 2. Three hours of lecture and six hours of laboratory work a week for one quarter. Laboratory fee, \$3.50.

A study of the structure and relationships of Invertebrates. Local forms in their natural habitat are emphasized.

Biology 4. Vertebrate Zoology. Prerequisite, Biology 1 & 2. Three hours of lecture and six hours of laboratory work a week for one quarter. Laboratory fee, \$5.00.

A comparative study of vertebrate classes.

Biology 21. Laboratory Technic. Prerequisites Biology 1-2. Three hours lecture and six hours laboratory a week for one quarter. Laboratory fee, \$3.00.

A course in methods of preparing microscope slides, preservation

of tissues, and blood analysis. Methods of preparing tissues, staining, mounting, blood counting, blood typing and introductory work in clinical and laboratory chemistry are practiced.

CHEMISTRY

Chemistry 1 and 2. Introductory General Chemistry. Four hours lecture and five hours laboratory a week for two quarters. Laboratory fee \$5.00. Breakage Deposit \$2.50.

This is an introductory course designed to met the needs of non-science students. The preparation, properties, and uses of a number of the elements and their compounds are studied.

Chemistry 21, 22, 23. General Chemistry. Three hours lecture and four hours laboratory a week for three quarters. Laboratory fee \$7.50. Breakage deposit \$5.00.

This is a course in general descriptive chemistry designed to meet the needs of those students who plan to major in the sciences. The fundamental laws are stressed.

Chemistry 31. Qualitative Analysis. Prerequisite Chemistry 21, 22, 23. Three hours lecture and six hours laboratory a week for one quarter. Laboratory fee \$5.00. Breakage deposit \$5.00.

The classroom work covers the theoretical background of the reactions involved in the laboratory procedures. A semi-micro scheme of analysis for both the cations and anions is used.

Chemistry 41. Quantitative Analysis-Gravimetric. Prerequisite Chemistry 31. Three lectures and six laboratory hours a week for one quarter. Laboratory fee \$5.00. Breakage deposit \$5.00.

This is an elementary course in quantitative analysis using gravimetric procedures.

Chemistry 42. Quantitative Analysis—Volumetric. Prerequisite Chemistry 31. Three lecture and six laboratory hours a week for one quarter. Laboratory fee \$5.00. Breakage deposit \$5.00.

This is an elementary course in quantitative analysis using volumetric procedures.

COMMERCE

Commerce 51. Beginning Typing. Five hours a week for one quarter. (Two quarter hours credit.) Laboratory fee, \$3.50.

This course consists of introductory instruction in the technical features and care of the machine, position, fingering, proper technique and mastery of the keyboard. An average speed of thirty words a minute is attained.

Commerce 52. Intermediate Typing. Five hours a week for one quarter. (Two quarter hours credit.) Prerequisite Commerce 51 or equivalent. Laboratory fee, \$3.50.

Special emphasis is placed on business letters, carbon copies, manuscript typing, rough drafts, legal documents and tabulations. An average speed of forty words a minute is attained.

Commerce 53. Advanced Typing. Five hours a week for one quarter. (Two quarter hours credit.) Prerequisite Commerce 51-52 or equivalent. This course offers the student special opportunity to perfect his typing technique. Special emphasis is given to speed building and practical application.

Commerce 61. Beginning Shorthand. Five hours a week for one quarter. (Three quarter hours credit.) Theory of Gregg Shorthand.

Commerce 62. Intermediate Shorthand. Five hours a week for one quarter. (Three quarter hours credit.) Prerequisite Commerce 61 or equivalent.

Continuation of theory of shorthand and beginning dictation.

Commerce 63. Advanced Shorthand. Five hours a week for one quarter. (Three quarter hours credit.) Prerequisite Commerce 61-62 or equivalent.

Dictation and Transcription. Student is required to take dictation at the rate of eighty words a minute.

Commerce 2-3. Introductory Accounting. Three hours lectures and four hours laboratory a week for two quarters.

Commerce 4. Accounting Problems. Three lectures and four hours laboratory a week.

Commerce 5. Marketing. Five hours a week for one quarter.

Commerce 7. Money and Banking. Five hours a week for one quarter.

Commerce 10. Insurance. Five hours a week for one quarter.

Commerce 14. Elements of Statistics. Prerequisite Mathematics 1. Five hours a week for one quarter.

Commerce 31-32. Field Work. Fifteen hours per week for two quarters. Ten quarter hours credit.

ECONOMICS

Economics 21. Introduction to Economic Theory and Problems. Five hours a week for one quarter.

This course presents a survey of economic thought of the past and present, makes an analysis of the economic institutions of today and examines some of the major economic problems in the modern world.

ENGINEERING DRAWING

Engineering Drawing 1. Six laboratory hours per week. Credit, two hours per quarter. Class limited to 25 students. Rent for drawing instruments and equipment per quarter, \$2.50.

Topics of study include lettering, the use of instruments, orthographic projection, auxiliary views, sections.

Engineering Drawing 2. Six laboratory hours per week. Credit, two hours per quarter. Class limited to 25 students. Rent for drawing instruments and equipment per quarter, \$2.50.

Prerequisite: Engineering Drawing 1.

Topics of study include sections, dimensions, limit dimensions, pictorial representation, threads and fastenings, shop processes, technical sketching, working drawings, pencil tracing on paper, reproduction processes.

Engineering Drawing 3. Six laboratory hours per week. Credit, two hours per quarter. Class limited to 25 students. Rent for drawing instruments and equipment per quarter, \$2.50.

Prerequisite: Engineering Drawing 2.

Topics of study include technical sketching, piping and fittings,

working drawings, ink tracing on cloth, working drawings from assemblies, assemblies from working drawings.

ENGLISH AND JOURNALISM

Journalism 1. Three hours a week for one quarter. Recommended for all staff members of college publications.

This course is designed to be of practical help to those students who wish to work on the college publications. The class meets two hours per week for lectures on the theory of Journalism and two hours for laboratory practice. Students working on the staffs of one of the college publications will be allowed one hour lab credit for such work in place of the regularly scheduled Journalism laboratory.

English 11, 12. Required Course for Freshmen. Five hours a week for two quarters.

The first half of the course is devoted to a review of punctuation and the fundamentals of grammar, theme writing and vocabulary building. The second half of the course continues written composition and introduces the student to various types of literature.

World Literature 1, 2. Required Course for Sophomores. Five hours a week for two quarters.

A general survey of trends in literature from Homer to Hemingway. Students read and discuss selections from the works of the most prominent literary figures with particular emphasis on the cultural achievements of the West. In addition to the classwork each student is asked to select for further investigation an author or subject of especial interest to himself.

English 4. An Introduction to Poetry. Elective. Five hours a week for one quarter.

A study of the various types and forms of poetry with especial emphasis on the works of the more recent British and American poets.

English 5 (formerly English 25). American Literature. Elective. Five hours a week for one quarter.

A survey of American literature and culture. In this course the student reads somewhat fully from the works of a comparatively small number of notable and representative American writers. The course

is primarily devoted to reading and discussion, but each student is asked also to select one particular period or author for concentration, making reports and writing papers in that phase of the work.

English 13. Advanced Composition. Elective. Five hours a week for one quarter.

Advanced writing practice. The course is designed to equip the student to express his ideas in clear, well-organized, and interesting prose. Various techniques of composition are considered, but the main portion of the course is devoted to the writing and re-writing of exposition.

FRENCH

French 1-2. Elementary French. Five hours a week for two quarters.

A course for beginners. Grammar, oral and written practice, early reading of selected material in French. In the second quarter, the reading objective will be emphasized along with continued practice in conversation and composition.

French 3. Intermediate French. Five hours a week for one quarter.

A course in review grammar. Oral and written practice; reading of selected texts.

French 7. Introduction to Literature. Five hours a week for one quarter.

A survey course with particular emphasis on the nineteenth century. Written and oral reports on collateral readings.

French 8. French Classical Drama. Five hours a week for one quarter.

Selected plays of Corneille, Moliere and Racine are studied. Four plays are read in class and four plays read as collateral.

French 9. French Short Stories. Five hours a week for one quarter.

A study of the short story in France with varied reading and discussion of selected authors.

HISTORY

History 1a. History of Western Civilization from the Beginning to the Reformation. Required course. Five hours a week for one quarter.

A survey of the political and cultural history of the Near Eastern

and European civilization from the earliest times through the Reformation. Attention is focused on political, philosophical, social, and religious doctrines and developments.

History 1b. History of Western Civilization from the End of the Reformation to the Present. Required course. Five hours a week for one quarter.

This is a continuation of History 1a. Special emphasis is given to the Commercial and Industrial Revolutions, the rise of political democracy in Europe and America, the extension of European culture to Asia and Africa, the conflicts of European states, and the recent and contemporary developments in Europe and America.

History 5. English History. History of England and the British Empire. Five hours a week for one quarter.

A study of English political and social institutions from early times to the present with special emphasis given to developments since the Tudor period.

History 6. Latin America. Five hours a week for one quarter.

This course deals with the colonial, revolutionary and recent developments in the countries of Hispanic America.

HOME ECONOMICS

Home Economics 1. Clothing. Three lectures and six hours laboratory each week for one quarter.

This course is designed to establish appreciation, interests, habits, and attitudes as guides in selection, purchase, design, construction, and care of clothing. Problems are provided so that students gain experience in application of these principles. A study of good grooming habits is included.

Home Economics 2. Foods. Three lectures and six hours laboratory each week for one quarter. Laboratory fee, \$7.50.

A study of the basic facts underlying food selection and preparation. The laboratory periods provide opportunity for practical experience in cookery.

Home Economics 3. Foods. Three lecture and six hours laboratory each week for one quarter. Laboratory fee, \$7.50.

A continuation of the study in foods including different types of

dishes used for specific purposes, food selection, meal planning, and table service. Students gain actual experience in all forms of family entertaining such as family meals, buffets, teas, receptions, etc.

Home Economics 4. Foods. For Men Only. 1 hour credit.

A practical course in cooking for men. Especially recommended for those interested in forestry or engineering. One unit will be devoted to the techniques of outdoor cookery. Class meets one afternoon each week. Laboratory fee, \$5.00.

Home Economics 5. Home Planning and Furnishing. Four lectures and one laboratory period each week for one quarter.

A study of planning and furnishing the home from the standpoint of family needs; modern tendencies in housing and application of principles of art to home furnishings; a short history of architecture and furniture; study of furnishing various rooms emphasizing heating, lighting, and treatment of walls, floors, windows, together with selection and arrangement of furnishings.

Home Economics 6. Nutrition. Five hours a week for one quarter. A study of nutritive requirements of individuals and family groups; relative costs of foods; dietary calculations. Emphasis is placed on nutritive properties of foods, and on the requirements for energy, proteins, mineral elements and vitamins.

MATHEMATICS

Mathematics 1. Intermediate Algebra for College Students. Five hours a week for one quarter.

A study of the fundamental operations of algebra together with factoring, fractions, linear equations, exponents and radicals, quadratic equations, graphical methods, progressions, and the binomial theorem. *and functional notation.* ✓

Mathematics 2. College Algebra. Five hours a week for one quarter.

This course begins with a review of factoring, fractions, exponents and radicals, linear and quadratic equations, and includes a study of progressions, the binomial theorem, and theory of equations.

Mathematics 3. Trigonometry. Five hours a week for one quarter.

A course covering the solution of the right and general triangle, the

general solutions of trigonometric equations, and polar coordinates.

Mathematics 4. Analytic Geometry. Five hours a week for one quarter. Prerequisite Mathematics 3.

This course includes the analytic geometry of point, line and circle, conic sections, transformation of coordinates, polar and rectangular graphs, and parametric equations.

Mathematics 8. Spherical Trigonometry and Mathematics of Aviation. Five hours a week for one quarter. Prerequisite Plane Trigonometry.

This course is designed to give the student some of the practical aspects of spherical trigonometry as applied to navigation and aviation.

METEOROLOGY

Meteorology 1. Introductory Meteorology. Five hours lecture a week for one quarter.

An introductory course in the elements of the weather, including practical work with weather instruments, reading and preparation of weather maps, and the development of an understanding of the problems involved in weather analysis.

PHYSICAL EDUCATION

Each student is required to take three hours of physical education a week throughout the year. The following program is provided:

During the Fall and Winter Quarters emphasis is placed on basketball, calisthenics, games, relays, posture and corrective exercises.

During the Spring the program includes softball, swimming and tennis.

PHYSICS AND PHYSICAL SCIENCE

Physical Science 11-12. A Survey of the Physical Sciences. Five hours lecture a week for two quarters.

A two-quarter course covering the general principles of the physical sciences. The first quarter is a survey of physics and astronomy; the second quarter covers chemistry, geography, geology, palaeontology.

Physics 21. Mechanics. Four hours lecture, two hours laboratory work a week for one quarter. Laboratory fee, \$2.50 per quarter.

Deposit. \$2.50.

A course dealing with the fundamental laws of mechanics. Emphasis is placed upon the solution of problems.

Physics 22. Heat, Light and Sound. Four hours lecture, two hours laboratory work a week for one quarter. Laboratory fee, \$2.50 per quarter. Deposit, \$2.50.

A study of wave motion and sound, heat, and light.

Physics 23. Electricity. Four hours lecture, two hours laboratory work a week for one quarter. Laboratory fee, \$2.50 per quarter. Deposit, \$2.50.

This course deals primarily with the principles of electricity and magnetism. Some of the newer concepts in the field of electronics, radiation, and atomic structure are also included.

PSYCHOLOGY

Psychology 31. Introductory Psychology. Four hours lecture and two hours laboratory a week for one quarter.

An introductory course in psychology, including discussions of learning, memory, behavior, psycho-biological relationships, morale, and motivation.

Psychology 32. Applied Psychology. Five hours lecture a week for one quarter.

A course in the applications of psychological principles in everyday life. Work includes personality and its improvement, public speaking, salesmanship, advertising, child psychology, psychology of music and art, personnel management, and other phases.

Psychology 33. Social Psychology. Five hours a week for one quarter.

This course is an introduction to the psychology of groups. An analysis is made of the physiological and socio-cultural motivation of the individual from infancy to adulthood from the standpoint of his group relationships. Special attention is given to a study of leadership, the development of radical and conservative qualities, propaganda, war, fascism, communism, delinquency and public opinion.

POLITICAL SCIENCE

Political Science 12. Theories of Political Science and Application of these Theories. Five hours a week for one quarter.

A study is made of the theory and practice of government and politics in the United States, Great Britain, France, Switzerland, Russia, and the pre-war Fascist nations. In addition, the workings of the United Nations Organization is observed. Each student concentrates on some aspect of the course that particularly interests him, and reports his findings to the class.

Political Science 13. Government in the United States. Five hours a week for one quarter.

A study is made of national, state, and local government in our country in actual practice.

SOCIAL SCIENCES

Social Science 4. Contemporary Georgia. Five hours a week for one quarter.

The purpose of this course is to familiarize the student with the problems of the state of Georgia and to make him more aware of its government, economics, social and cultural activities.

(Contemporary Georgia is required for graduation from the University of Georgia.)

SOCIOLOGY

Sociology 60. Marriage and the Family. Five hours each week for one quarter.

A study of family backgrounds, preparation for marriage, marriage interaction and family administration, family economics, problems of parenthood, family disorganization. A study of the family in the post-war period and present day trends in family life is included.

SPANISH

Spanish 1-2. Elementary Spanish. Five hours a week for two quarters.

These courses are for the purpose of providing the student with the elements of Spanish by reading, composition and speaking.

Spanish 3. Intermediate Spanish. Five hours a week for one quarter. Grammar review, composition and selected prose readings.

Spanish 4. Advanced Spanish. Five hours a week for one quarter.

The purpose of this course is to increase the students' facility in writing and speaking Spanish. Selected masterpieces of Spanish literature are read.

Spanish 5. Commercial Spanish. Five hours a week for one quarter.

A study of business letters and forms used by the Spanish-speaking world and of the vocabulary of trade, travel and communication.

Spanish 6. Modern Prose Readings. Five hours a week for one quarter.

This course provides intensive reading of novels, plays and short stories of Nineteenth and Twentieth century Spanish and Latin-American authors.

SUMMER QUARTER, 1946. COURSE DESCRIPTIONS

French 1. Elementary French. 10 hours a week for six weeks. A course for beginners.

English 11. 10 hours a week for six weeks. Review of grammar and theme-writing.

English 12. 10 hours a week for six weeks. Written composition and introduction to literature.

History 1a. 10 hours a week for six weeks. Western world from ancient times through Reformation.

History 1b. 10 hours a week for six weeks. Western world from Reformation to Summer of 1946.

Home Economics 5. 8 hours class plus one laboratory period a week for six weeks. Home Planning and Furnishing.

Home Economics 6. 10 hours a week for six weeks. Nutrition.

Mathematics 1. Intermediate Algebra for College Students. 10 hours a week for six weeks.

Mathematics 3. Trigonometry. 10 hours a week for six weeks.

Mathematics 5. Differential Calculus. 10 hours a week for six weeks. Prerequisite: Mathematics 2, 3, and 4, or the equivalent.

Applied Psychology. 10 hours a week for six weeks. The application of psychological principles in everyday life.

Spanish 1. Elementary Spanish. 10 hours a week for six weeks.

ASSEMBLY DAY SCHEDULE

8:30 - 9:15
 9:25 - 10:10
 10:20 - 11:05
 11:15 - 11:45
 (Assembly Period)
 11:55 - 12:40
 12:50 - 1:35
 Afternoon:
 Follow regular
 schedule

REGULAR DAILY SCHEDULE

8:30 - 9:20
 9:30 - 10:20
 10:30 - 11:20
 11:30 - 12:20
 12:30 - 1:20
 1:30 - 2:30 (Lunch)
 2:30 - 3:30
 3:30 - 4:30
 4:30 - 5:30

OFFICERS OF ALUMNI ASSOCIATION

Mrs. Elise W. Shapiro	<i>President</i>
Miss Marian Nelson	<i>Vice-President</i>
Mrs. Blanton W. Haskell	<i>Secretary</i>
Miss Celeste Norris	<i>Treasurer</i>

GRADUATES OF 1945

Associate in Liberal Arts

Lilla Claire Baker	Gussie Jim Moseley
Lisette Catherine Black	Mardette Neel
Laura Carolyn Byrd	Lillian Nichols
Marina Capitan	Mary Lilla Palin
Anna Tallulah Cone	Eloise Penn
Thomas Edgar Cone	June Poindexter
Beverly Fay Culbertson	Willie Kate Purvis
Virginia Danklefs	Charlotte Rosenthal
William Dismar	Rose Scoville
Mary Foy	Marguerite Storer
Catherine Heyman	Sarah Maude Thorpe
Pauline Jones	Janie Olene Waites
Louise Kaufmann	Ruth R. Weiss
Fifi Lamas	Miriam B. Wills
Alice Matthews	Geraldine Worth
Mary Joy McGinn	Anne Yarbrough
Mary McMillan	

Associate in Home Economics

Ray Lucille Burton	Comer Hymes
Elizabeth Hubert	Marguerite Smith

PERMANENT DEAN'S LIST OF DISTINGUISHED STUDENTS

GRADUATES

*Summa Cum Laude**"A" Average*

Lisette Catherine Black
Beverly Fay Culbertson
Gussie Jim Moseley

"B" Average

Anna Tallulah Cone
Virginia Helen Danklefs
Grace Mardette Neel
Lillian Nichols
June Poindexter
Willie Kate Purvis
Marguerite Storer

NON-GRADUATES

"A" Average

Everett S. Lee (2 quarters)

"B" Average

Mrs. Sybil Woodward Bazuin
Marie Bright
Marjorie Chapman
Patricia Felton
Mrs. Edria Knapp Keeter
Henrietta Kicklighter
Mrs. Elsie Gibson Lawing
Dorothy Mather
Rose Marie Roffman
Virginia Lee Schaupp
Janet Spillane
Helene Ungar
James Williams

STUDENT DIRECTORY

SOPHOMORES

Allen, Edythe	Laird, Allan S.
Antonopolo, Georgia	Lawing, Elsie
Baggs, Ruth	Lee, E. S.
Barnes, Mary Anne	Maguire, Elizabeth
Bliss, Catherine	Malphrus, Florrie
Boykin, Winwood	Mather, Dorothy
Bright, Marie	Meadows, Betsye
Brown, Evelyn	Middlebrooks, Jane
Browne, Jean	Mullis, Ruth
Buckner, Emily	Munden, Billie Sue
Burnside, Betty	Myers, Robert
Chapman, Marjorie	Nash, Dearing
Claghorn, Margaret	Nielsen, Mary
Clark, Mary	Orsini, Marino
Crawford, Mary	Palin, Mary Lilla
Danklefs, Virginia	Parrott, Delores
DeFrank, Marion	Roffman, Gloria
DuBois, Joseph	Roffman, Rose
Dupree, Gwen	Ryan, Angela
Fawcett, Sara	Saul, Semon
Gaudry, Leolene	Schaupp, Virginia
Gilchrist, Mary	Schwitz, Isadore
Glynn, Jeannette	Shaw, Annie
Goldberg, Harold B.	Simon, Nick
Googe, Joseph	Smith, Elsie
Gracen, Lillian	Smith, Joyce
Gross, Dolores	Smithberg, Leon
Haile, Frances	Spillane, Janet
Harris, Cecile	Thompson, Eugene
Hewett, Nelle	Ungar, Helene
Heyman, Catherine	Waters, Elizabeth
Hornstein, Helen	Wernicke, Anne
Johnson, Dorothy J.	Williams, Davant
Kapner, Maxine	Williams, James
Keeter, Mrs. Edward	Woodward, Rupert C.
Kuhlke, Edith	Yarley, Julie

FRESHMEN

Allen, Lawrence	Branch, Irene
Allred, Marian	Brewer, Elizabeth
Austin, Donald	Brown, Jane
Bacot, Jules	Brunner, William
Bailey, Miriam	Buchanan, Robert
Baker, Allie	Buntyn, Betty
Barker, Lynn	Burch, Barbara
Beacham, Beverly	Burke, William L.
Beall, Allen	Burt, Robert
Beebe, Anne	Byers, Margaret
Birnbaum, Harriet	Capetanakis, Grace
Blackburn, Nellwyn	Carter, Lourdine
Blumberg, Helen C.	Clark, Grace

Clark, Juanita
 Collier, Martha
 Colquitt, Alfred
 Colson, Mary
 Cook, Charles M.
 Cook, Pattie
 Cordes, Lois
 Cordray, Bobbijane
 Corry, Jack
 Cowan, Barbara
 Cox, Barbara
 Cox, Sue
 Craig, Stephen
 Crews, Arch
 Crovatt, Lorraine
 DeLoach, Daniel
 DeMars, John
 DeMars, Jean
 DeVere, Helen
 Dillon, Frederick
 Dimmick, Robert
 Doerner, George
 DuPont, Mary Ann
 Durrence, Jack
 Durrence, Jeanne
 Elmore, Tanner
 Evans, Allton B.
 Evans, Reginald
 Fitzsimons, Theodore
 Flanders, Beverly
 Foard, Helen
 Forman, Betty
 Foster, Ruth
 Freeman, Betty Ann
 Galin, Alvin
 Goolsby, Sarah
 Gould, Robert
 Greene, Harold
 Hale, Charlotte
 Hall, Colleen
 Hamilton, Phillips
 Hancock, Faye
 Harmon, Douglas
 Helmey, Edgar
 Hendrix, John L.
 Hoffman, Marye Louise
 Hutchins, Edna Ann
 Hymes, Natalie
 Hyrne, George
 Jarrott, George
 Johnson, Dorothy Mae
 Johnson, Howard
 Kandel, Phillippa
 Kearney, Arthur
 Kenline, Patricia
 Kessler, Wiley
 Kiley, Robert
 Konter, Irvin

Lebey, Mrs. Clifford
 Lebey, Naomi
 Leigh, Charles F.
 Leon, Sarah
 Leonard, Elizabeth
 Linton, Dorothy
 Lippman, Ingrid
 Lipsitz Herbert
 Little, Willbert N.
 Livingston, Harry
 Lucas, Clarence
 Lynah, Savage
 Lynah, Wallace H.
 McGhee, Jerry
 McGinn, Thomas J.
 McGraw, George, Jr.
 McTeer, Samuel
 Mallory, James
 Mallory, Lois
 Marks, Dixie
 Marks, Lyman
 Matthews, Ashby, Jr.
 Meeks, Mary Alice
 Mitchum, Carolyn
 Montague, Mary
 Montgomery, Mary Ellen
 Mooney, Thomas
 Moore, Bette A.
 Moore, Lida
 Moore, Alan
 Morgan, Harvey
 Morris, Clinton
 Murphy, Carolyn
 Nease, Leila Ann
 Neher, Roy
 Nelson, Nancy
 Newman, Derman J.
 Newman, John T., Jr.
 Nodvin, Marvin
 Paine, Hampton E.
 Patterson, Joseph
 Petris, Paul
 Platoock, Roslyn
 Porterfield, Annette
 Pratt, Joan
 Prendergast, Mary
 Prince, Dewey
 Rahn, Henry O.
 Redmond, Robert
 Reed, William
 Reisman, Louis
 Rice, Janice
 Rosenthal, Morris
 Rosolio, Alan
 Ruble, Lenore
 Saseen, Barbara
 Scott, Gloria
 Scott, Joseph F.

Seckinger, Barbara
 See, Joyce
 Sieg, Edward Chan
 Sigman, Fred
 Sitler, William
 Slotin, Harris
 Smith, Alberta
 Smith, Frederick
 Smith, Jack H.
 Smith, May Ann
 Smith, Joseph S., Jr.
 Snead, Leslie
 Solomons, Charles E.
 Speir, Henry
 Stokes, Thomas A.
 Stroble, James C.

Sullivan, Ruth
 Upchurch, George
 Walker, Betty
 Walker, Mrs. Marguerite
 Vaughndori, Susanne
 Walsh, Betty
 Walton, Edwin
 Waters, Helen
 Wheeler, Jane
 Williams, Ann
 Williamson, Charles
 Wood, James
 Woodward, Anne
 Yarbrough, Jesse
 Yates, James R.

CANDLER HOSPITAL CADET NURSES

Arnsdorff, Willie Mae
 Blocker, Jacqueline
 Brinson, Dorothy
 Bryant, Lorene
 Cothran, Marianne
 Dahlamer, Louise
 Davis, Barbara
 Knight, Grace
 Lynn, Imogene
 Langford, Maurice
 Marsh, Annie Ruth
 Nutter, Sarah
 Olliff, Willette
 Pearson, Mary L.

Purvis, Betty Jean
 Robey, Ima Jean
 Ruble, Lenore
 Sapp, Laura
 Shelnett, Myrtle
 Sierra, Georgina
 Sikes, Frances
 Smith, Florence
 Smith, Helen
 Stokes, Frances
 Warnock, Estelle
 West, Sue Nell
 Weston, Bertha

EVENING SCHOOL STUDENTS

Alderman, Mrs. H. O.
 Alexander, Leopold
 Alexander, Louis
 Allen, Harriette
 Anderson, Mrs. J. R.
 Armstrong, Mrs. J. J.
 Artley, Mrs. W. H., Jr.
 Asher, Mrs. Julius
 Austin, Donald
 Axley, Mrs. Lowry
 Badenhoop, A. G.
 Bailey, Margaret L.
 Bazuin, Mrs. Sybil
 Beacham, Beverly
 Beasley, Mrs. M. J.
 Beckmann, Mrs. C. C.
 Beecher, Mrs. W. O.
 Bernstein, Mrs. M. H.
 Belsinger, Miss Esther R.
 Berrier, Mrs. Florence
 Berry, Mary

Berry, Peggy
 Bischoff, Frances C.
 Bradley, W. H.
 Braithwaite, Richard
 Brown, Jane
 Brown, Mrs. Louise
 Brown, Norwood
 Brown, Mrs. Wallace E.
 Carellas, George B.
 Carter, Mrs. Elizabeth
 Chaplin, Marjorie L.
 Chapman, Marjorie
 Charbonnier, H. Y.
 Charlton, Mrs. T. J.
 Ciucevich, Julie
 Claghorn, Margaret
 Clark, Grace
 Collier, Martha
 Colson, Marv
 Connell, Kathryn A.
 Cook, Pattie

Copeland, Mrs. Hoke
 Coruray, Gladys
 Cowan, Barbara
 Cox, Barbara
 Cox, Sue
 Craig, Mrs. Bessie
 Culbidge, Dorothy
 Cummins, L. R.
 Cummins, Mrs. L. R.
 Daniels, Gertrude
 Daniels, Mrs. Mildred
 Davids, Werner A.
 Davis, Mrs. A. S.
 Davis, Harriet
 Deegan, Katherine
 DeHaven, Clark
 Dixon, Edna
 Donnan, Willa
 Doty, Dorothy
 Downing, John M.
 Drane, Mrs. N.
 Dunham, Edna F.
 Dunham, William E.
 Dunn, Miss Helen
 Dunn, Miss Mary
 Eason, Wynelle
 Ehrenreich, H. S.
 Elfland, Josephine H.
 Ellis, Mrs. M. E.
 Fay, Captain R. W.
 Fay, Mrs. R. W.
 Fine, Mrs. Ida
 Flanders, Beverly
 Flanders, Mrs. D. E.
 Fowler, Miss Kathleen
 Friedman, Mrs. Pearl
 Friedman, W. Leon
 Fussell, Miss Fleeta
 Garlington, Henry F.
 Garrard, William
 Gibson, Louise
 Gibson, Ruth
 Gillikin, Sidney J.
 Gips, Walter Jr.
 Glynn, Jeanette
 Gnam, Dorothy
 Gonska, Mrs. Leila
 Gracen, Lillian
 Greyson, Martha
 Groover, Anna
 Haar, George F.
 Hancock, Fave
 Hand, Rudolph
 Hawes, Mrs. Foreman
 Hohenstein, Mrs. Rudolph
 Holloway, Mrs. W. G.
 Holt, Frank
 Holt, Mrs. Frank

Holt, Mrs. R. W.
 Hornstein, Helen
 Hussey, Mrs. T. J.
 Ivey, Joseph S., Jr.
 Jarrett, Elizabeth
 Jenkins, E. E.
 Johnson, Mrs. Hugo
 Jordan, Miriam W.
 Jordan, Robert E.
 Kapner, Maxine
 Keeter, Mrs. Edria
 Kenline, Patricia
 Kennedy, Miss Ruth
 Kennedy, Sarah
 Kohler, Michael E.
 Kraft, Rose Marie
 Kramer, Mrs. Sam
 Lanier, Lois
 Langford, Mrs. W. A.
 Leacy, Miss Gladys
 Lee, E. S.
 Lennox, John L.
 Lennox, Mrs. J. C.
 Lenoir, Peggy
 Lewis, Edna
 Litton, Virginia
 Lobrano, Joe T.
 Mallory, Lois
 Martin, Ruth
 Meadows, Betsy
 Meeks, Donald
 Middleton, David
 Middleton, Mrs. Edwin J.
 Mixson, Ouida
 Montgomery, Mary Ellen
 Mooney, Thomas
 Mopper, Mrs. Valmore
 Morris, Alex
 Morris, Eugenia L.
 Morrison, Mrs. William
 Morton, F. C.
 Mulligan, Rebecca
 Munster, Ralph
 McCall, May
 McCalla, Miss Elvira
 McGee, Mrs. H. H.
 McGreevy, Leonard F.
 McMillan, Mary
 Nichols, Ira L.
 O'Neal, Charles
 Parrott, Delores
 Peak, Mrs. W. C.
 Persse, Margaret
 Persse, Winnifred
 Peterson, Mrs. J. R.
 Pinckney, Mrs. Miles
 Pipkin, Mrs. E. C.
 Portnoff, Sidney

Pratt, Lois
Prendergast, Mary
Proctor, Doris L.
Prosser, Arthur
Quattlebaum, Dr. Julian
Quattlebaum, Mrs. Julian
Ravenel, Elizabeth
Ray, Marie L.
Raymond, Miss Dorothy
Richman, Harry
Rips, Mrs. Lillian
Rips, Merle N.
Risley, Mrs. Ernest
Risley, King
Robertson, Siegvart
Rossignol, Margaret
Rowan, Mrs. E. A.
Russell, Marie M.
Russell, Mrs. R. H., Jr.
Russell, Richard W.
Ryberg, Mary Lou
Sandefur, Thelma
Saxon, Susan
Schafer, Helen
Scheider, Pringle
Schwitz, Isadore
Seckinger, David W.
Shewmaker, Marian
Sledge, H. A.
Smith, May Ann
Stephens, Judge W. Hugh
Stephens, Mrs. W. Hugh
Stephenson, Bobbie
Strickland, G. A.
Taylor, Brantley

Tew, Hattie
Thigpen, Mrs. Jack
Torrance, Jack
Trace, Gladys
Trosdal, Mrs. E. S.
Tuck, Ruth
Upchurch, George
Usher, Mrs. Charles
Vaden, Maude
Vann, Miss Della
Vining, Billy
Volpin, Joseph
Walker, Louise
Walker, Lucille
Ware, Mrs. Hoyt
Ware, Virginia
Waters, Sutton
Weeks, Marguerite
Werutz, Eleanor
Wheeler, Elinor
Wilburn, James
Wilkins, Miss Emma C.
Williams, Mrs. Marian
Williams, Mrs. Sarah
Williamson, A. K.
Williamson, Charles M.
Willis, Mildred
Wood, Mrs. Oscar B.
Woodward, Anne
Brandriff, Mrs. Robert
Woodward, Mrs. G. D.
Yellin, Harry
Zahler, Jessie
Zoueks, Ray





BULLETIN OF ARMSTRONG JUNIOR COLLEGE

1947-1948

A City Supported Junior College of Savannah, Georgia



For Reference

not to be taken from this room

02 Volume XII Number 1
35

1947-1948

SUMMER

— FALL

— WINTER

— SPRING

BULLETIN OF

Armstrong Junior College

A City Supported Junior College
of Savannah, Georgia



18816

MEMBERSHIP IN

American Association of Junior Colleges
Southern Association of Colleges and Secondary Schools
Association of Georgia Colleges

Volume XII



Number 1

ARMSTRONG COLLEGE
LIBRARY



*“Education is a companion which no misfortune
can depress—no crime destroy—no enemy alienate—
no despotism enslave. At home, a friend; abroad,
an introduction; in solitude, a solace; and in
society, an ornament.”*



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ACADEMIC CALENDAR

1947 - 1948

SUMMER QUARTER

First Session

Registration.....	Friday, June 13
Classes Begin.....	Monday, June 16
Examinations.....	Monday, July 21

Second Session

Registration.....	Wednesday, July 23
Classes Begin.....	Thursday, July 24
Examinations.....	Thursday, August 28

FALL QUARTER

Freshman Counselling and Registration.....	September 23-26
Upperclassman Registration.....	September 25-27
Classes Begin.....	Monday, September 29
Test.....	Friday, October 24
Test.....	Wednesday, November 26
Thanksgiving Holidays.....	Thursday-Saturday, November 27-29
Examinations.....	Monday, Tuesday, Wednesday, December 15-17
Homecoming.....	Monday, December 22
Christmas Holidays.....	December 18-January 1

WINTER QUARTER

Registration.....	Friday, January 2
Classes Begin.....	Monday, January 5
Test.....	Friday, February 6
Examinations.....	Monday-Wednesday, March 15-17

SPRING QUARTER

Registration.....	Friday, March 19
Classes Begin.....	Monday, March 22
Open House.....	Wednesday, April 14
Test.....	Friday, April 23
Examinations.....	Wednesday-Friday, June 2-4
President's Reception.....	Friday, June 4
Sophomore-Alumni Luncheon.....	Saturday, June 5
Graduation Exercises.....	Monday, June 7



ARMSTRONG ADMINISTRATIVE BUILDING

THE COLLEGE COMMISSION

HERSCHEL V. JENKINS	<i>Chairman</i>
WILLIAM MURPHEY	<i>Vice-Chairman</i>
GORDON C. CARSON, <i>Ex Officio</i>	ORMOND B. STRONG, <i>Ex Officio</i>
H. HANSEL HILLYER, <i>Ex Officio</i>	FRED WESSELS
JUDGE JAMES P. HOULIHAN, <i>Ex Officio</i>	EDGAR L. WORTSMAN
HON. JOHN G. KENNEDY, <i>Ex Officio</i>	GUNNAR W. E. NICHOLSON
MRS. JULIAN K. QUATTLEBAUM	

THE FACULTY

FOREMAN M. HAWES, A.B., M.S.	<i>President</i>
ARTHUR M. GIGNILLIAT, A.B., M.A.	<i>Registrar</i>
W. ORSON BEECHER, A.B., M.A.	<i>Dean of Students</i>

WILLIAM B. BAKER, A.B., Emory University; Member American Guild of Organists.

Instructor in English and Music

W. ORSON BEECHER, A.B., and M.A., Emory University; M.A., University of Georgia.

Instructor in Social Sciences

FRANCIS M. BRANNEN, B.S. in Chemical Engineering, Georgia School of Technology; Graduate study in Ch. E., Georgia School of Technology.

Instructor in Engineering

ELIZABETH COLSON, A.B., Georgia State College for Women; Graduate Study, Emory University Library School.

Librarian

FRETWELL G. CRIDER, B.S. in Chemistry, University of North Carolina.

Instructor in Chemistry

WILLIAM M. DABNEY, A.B. and M.A., University of Virginia.

Instructor in History and Political Science

ELEANOR J. DOYLE, B.S., Immaculata College; M.A., Catholic University of America.

Instructor in Spanish and Latin American History

MARTHA BOZEMAN FAY, B.S., Rockford College; M.S. and Ph.D., University of Illinois.

Instructor in Biology

MILDRED GLADYS FEAGIN, B.S., University of Georgia.

Instructor in Mathematics

ARTHUR M. GIGNILLIAT, A.B. and M.A., University of Georgia.

Instructor in English

NOMA LEE GOODWIN, A.B., Duke University; Graduate Study, Duke University.

Instructor in English

MARGARET SPENCER LUBS, B. Mus., Converse College; A.B., University of Georgia; M.A., Columbia University.

Instructor in French

MARIE LYONS, B.A., Vanderbilt University.

Assistant Registrar

HARRY B. MILLER, B.S. in Ch. E., University of North Carolina; Ph. D., University of North Carolina.

Instructor in Chemistry

CHRISTINE WILSON MINNIX, A.B., University of Chattanooga; Graduate Study, University of Tennessee.

Instructor in Physical Education

MARJORIE A. MOSLEY, Associate in Finance and Commerce, Armstrong Junior College.

Secretary

HINCKLEY MURPHY, B.A., Vanderbilt University; Graduate Study, Peabody College and University of Georgia.

Instructor in English

IRA LEE NICHOLS, B.S. in General Engineering, Georgia School of Technology.

Instructor in Engineering Drawing

MARGARET PERSSE, Associate in Liberal Arts, Armstrong Junior College.

Treasurer

JULIA KENDALL RUSSELL, B.S. in Home Economics, Winthrop College; Graduate Study, Woman's College of the University of North Carolina.

Instructor in Home Economics

JAMES HOLMES SCARBOROUGH, B.S.E.E., Emory University; Graduate Study, Emory and Harvard Universities.

Instructor in Physics and Mathematics

MARGARET FORTSON STEPHENS, A.B., University of Georgia; LL. B., University of Georgia; M.A., University of Georgia; Certificate from the Sorbonne in Paris.

Instructor in English

DOROTHY THOMPSON, A.B., Monmouth College; Social Work, Milwaukee School of Social Work; M.A., Northwestern University; Certificate of Psychiatric Social Work, Western Reserve University.

Instructor in Psychology and Sociology

CARMEN TORRIE, B.S. in P.E., Concord College; Graduate Study, University of Tennessee.

Director of Athletics and Instructor in Physical Education

RACHEL CONRAD WAHLBERG, A.B., Lenoir Rhyne College; M.A., University of Virginia.

Instructor in German and English

HELEN C. WOLFE, B.S., Columbia University; Graduate Work, Teachers College, Columbia University.

Instructor in Home Economics

GLADYS NICHOLS ZILCH, Special Courses in Typewriting and Shorthand; University of Michigan and University of Florida. Diploma from the Gregg College (Normal School) in Chicago.

Instructor in Commerce



Gamble

solved by Mrs. Lane, 111

Johnson, who had generously presented their beautiful house as a memorial to George F. Armstrong, their husband and father, respectively. Because of the many spacious rooms, remarkably few changes were necessary to fit the building for college purposes. The Armstrong Building, of Italian Renaissance architecture, is one of the most beautiful and expensive college buildings in the South.

In February, 1936, Mayor Thomas Gamble was awarded the Lucas Trophy for the conspicuous part he played in founding the Junior College. In his speech of acceptance, Mr. Gamble announced that he had received the gift of a building from Mr. Mills B. Lane to house classes in finance and commerce, the building to be named in honor of the donor.

Situated between the Armstrong and the Lane Buildings is the Herschel V. Jenkins Hall, erected and equipped by the city of Savannah and the federal government at a cost of \$70,000. All three buildings, standing side by side, face Forsyth Park, the most beautiful park in the city, which consists of forty acres and is used by Armstrong students for recreational purposes. The Georgia Historical Society Library, to which the students have access, faces the park and lies just across Whitaker Street from the college buildings.

Under the will of the late Carrie Colding, one-half of the sale price of the Colding residence on Jones Street was conveyed to the College.

A \$100,000 science building to house biology, chemistry, and physics was constructed by the city in 1941. This building, the Thomas Gamble Hall, is equipped with excellent laboratories and lecture rooms.

In 1945 the handsome building on the southwest corner of Bull and Gordon street was presented to the college in memory of John W. Hunt. It is known as the Hunt Memorial Building. In December of that year the basement floor was constructed into offices and occupied by the Armstrong Junior College Veterans Administration Guidance Center. In September, 1946, the Home Economics Department occupied the upper floors of this building.

Armstrong Junior College seeks to serve Savannah and the adjacent community by giving to the young men and women who attend its classes an understanding of the world in which they live and an appreciation of the best that has been achieved by western civilization. Its graduates are equipped to continue their studies in the junior class of a senior college; but for those who do not desire to

lection.

well as other students.

In addition to the resources of the college library, students are invited to use the Savannah Public Library. The main building on Bull Street has a union catalog listing the holdings of its branches; namely, The Downtown Branch on Bay Street and The Georgia Historical Society, which is diagonally across the street from the Armstrong Library.

The library is fortunate in being the recipient of a large and outstanding collection of history books, a gift of the late Thomas Gamble, Mayor of Savannah.

Under the supervision of a trained librarian and seven student-assistant librarians, the library is open each school day from 8:30 until 5:30 and Monday through Thursday nights from 7:00 until 9:00 o'clock.

LABORATORIES

The college has completely equipped laboratories in physics, chemistry, biology, home economics, and engineering drawing.

Under the will of the late Carrie C. D. ...

SCHOLARSHIPS AND LOANS

The following scholarships or loans are available for deserving students:

- 1 John Helm Maclean Memorial scholarship, \$100.00.
- 2 Savannah Gas Company Home Economics scholarships, \$100.00 each.
- 2 American Business Club scholarships (one boy, one girl) covering all expenses for two years.
- 3 Junior Chamber of Commerce scholarships, \$100.00 each.
- 2 Savannah Gas Company Engineering scholarships, \$100.00 each.
- 8 Commission work scholarships, \$100.00 each.

(Students who hold these Commission scholarships are assigned work as library, laboratory, or clerical assistants.)

- 1 Pilot Club Loan, \$100.00
- 1 Beta Sigma Phi loan, \$100.00.

In addition to the above, the income from the Arthur Lucas Scholar-

ship fund of \$25,000 makes available two or more scholarships per year.

The Savannah Gas Company gives a scholarship of \$300.00 to the Georgia School of Technology. This is open to any male student who completes three quarters of freshman engineering at Armstrong Junior College. Inquiry concerning scholarship and loan funds should be addressed to the President.

ARMSTRONG GUIDANCE CENTER

In December 1945 the Veterans Guidance Center began operation. A joint undertaking between the United States Government and the College, it employs a large staff of trained personnel to help veterans with their educational, vocational, and personal adjustment problems. The Armstrong Guidance Center is one of five similar psychological clinics in the State of Georgia and serves a territory including 38 counties. By the middle of May, 1947, over 2,100 veterans had taken advantage of its comprehensive testing and counselling program. The services of the guidance center (which include testing of mental ability, special aptitudes, school achievement, interests, and personality adjustment) are available, without expense, to all ex-service men and women.

Since September 1946 the Armstrong Guidance Center has devoted Saturday mornings to testing children and serving other non-veteran clients from the community-at-large on a private clinic, fee basis. This service is available to Armstrong students at a special rate. Armstrong has also had its facilities approved as a Testing Center by the Georgia State Department of Education. The guidance center is fortunate in having a close working relationship with two psychiatrists, both of whom have their offices in the same block within two or three doors of the college.

The Center occupies quarters on the ground floor of the Hunt Memorial Building, with a main entrance on Bull Street. The following is a list of the Armstrong Staff employed in this service:

L. ROSS CUMMINS.....	<i>Director</i>
WILLIAM E. HOPKE.....	<i>Counselor</i>
MARY GARRARD.....	<i>Counselor</i>
HARRIET G. DAVIS.....	<i>Counselor</i>
FRANCES B. SETTLE.....	<i>Counselor</i>
JANE M. SCHRODER.....	<i>Chief Psychometrist</i>
SARAH M. THORPE.....	<i>Psychometrist</i>
DIXIE C. MARKS.....	<i>Secretary</i>
JULIA L. YARLEY....	<i>Secretarial Assistant and Psychometric Clerk</i>



APTITUDE TESTING

ENDOWMENT

Inaugurated in 1944 with contributions from some fifty members of the Alumni Association, Armstrong's Endowment Fund was greatly increased by a gift from the Morning News. The College expresses sincere appreciation for these contributions.

Student Activities

With a firm belief in the developmental function of individual or concerted group expression, Armstrong Junior College has made student activities an integral part of its program, with participation in one or more of its organizations expected of every student. At the end of each college year, at the Alumni Luncheon in June, those students who have taken part to an outstanding extent in college activities throughout the year are awarded a silver "A." A point system gauging leadership, activity, and ability, determines who shall be the recipients of these awards.

STUDENT SENATE

The Student Senate is composed of the following representatives: the president of the sophomore and freshman classes; the editor of the Inkwell; the editor of the Geechee; one representative from each organization recognized by the Senate; and two freshman representatives to be elected by the class one week after election of class officers. This group, which meets from time to time throughout the year, serves as the official student agency for coordinating college activities and for expressing student opinion.

THE STUDENT FORUM

The Student Forum meets twice each month for consideration of national, international and college topics which are of interest to the student membership. Discussions, debates and guest speakers make up its programs. The Student Forum usually sponsors a dance and a party during the year. The members of the Student Forum assist in many ways in making the Armstrong Forum a success. Membership is open to any student who wishes to join. An invitation is not necessary.

BETA LAMBDA

The Home Economics Department maintains a club which meets monthly for discussion of current problems. In addition to its regular scheduled meetings, this club is frequently responsible for the preparation and serving of refreshments at teas, dances, and receptions. In the decoration of student lounge rooms and a home economics classroom for art courses, practical experience is obtained in the purchase of furnishings, and in their effective arrangement and use.

MUSIC CLUB

The Music Club meets twice each month for programs of classical recorded music. Varied and well-balanced programs of symphony and chamber music are arranged, and occasionally music of a lighter vein is included. Before each concert in the city, the Music Club presents the outstanding work announced for the concert, and in this manner serves to build up in its members a familiarity with classical music.

RADIO CLUB

The Armstrong Radio Club exists for the purpose of giving students the opportunity to participate in the preparation and presentation of various types of programs over the air. Students who belong to this club receive a great deal of enjoyment in presenting entertainment, as



TEST EVALUATION

well as valuable training which may be useful to them later in life. The Radio Club has, in addition to presenting assembly programs at the school, broadcast over the air through the facilities of a local radio station. The club engages in weekly panel discussions of topics of current interest over local radio stations.

RIDING CLUB

The Riding Club meets each Saturday morning for rides through the beautiful wooded bridle paths of local riding schools. Expert instruction in riding is given to all beginners, and supervision is provided at all times if desired. A small monthly fee is charged.

SORORITIES

There are two social sororities recognized by the college: Alpha Tau Beta and Delta Chi. Membership in these groups is by invitation.

PUBLICATIONS

Students have complete responsibility for the two Armstrong publications: The Inkwell, a college magazine; and the Geechee, the

college annual. Work on the Inkwell Bulletin, mimeographed weekly, provides opportunity for news reporting, feature writing, and expression of student opinion. Student editorial and business talent is developed on all publications. Participation in the preparation of the Geechee furnishes excellent experience in photography, lay-out, and in organization generally. Here facility in handling and financing a publication is acquired or increased.

The Geechee Report is published by the Alumni Association. Its purpose is to keep the alumni informed of activities at the college and to help them keep in touch with other alumni.

SAVANNAH PLAYHOUSE

The Savannah Playhouse, a community theater sponsored and directed by the college, gives the students actual experience in acting, make-up, and the techniques of production.

ARMSTRONG VETERANS' SOCIAL CLUB

The youngest social club is the Veterans' Club, formed in April, 1946, and having over sixty members in April, 1947. The purpose of this group is primarily social, but projects to promote the welfare of the college are planned. This club sponsors at least one formal and three informal dances each school year, and a banquet each June.

Membership is open to all veterans of World War II who are enrolled as students at Armstrong Junior College.

BOARD AND LODGING

There is no plan for group board and lodging. Individuals make their own arrangements; but a list of homes seeking student boarders is kept in the office of the Secretary to the President.

Out-of-town students are referred to the local Young Men's and Young Women's Christian Associations, whose dormitories are conveniently located to the college. Prices for room and board at these two organizations are typical of those in this region.

EMPLOYMENT OPPORTUNITIES

In School: A student seeking temporary or part-time work while in attendance should register with the President or the Registrar, making a statement as to his experiences and abilities. At the same time, a student should indicate the type of employment most desired. The college in this way may help the student get the type of work most helpful to him as work experience, in addition to assisting him

with his current expenses. Records concerning each student and the quality of his work becomes a part of his permanent file, the information to be used in determining recommendations for the student in cases of permanent employment both before and after leaving college.

Out of School: The college maintains a Placement Service open to all registrants at Armstrong Junior College. Every student wishing assistance in finding a position is urged to register with the Instructor in Charge of Commercial Subjects. While no guarantee of employment can be made, the placement supervisor will help the qualified student find suitable work. At the present time, there is a demand for qualified workers.

COMMENCEMENT EXERCISES

Commencement exercises are held once each year. At this time, the title of "Associate in Arts", "Associate in Home Economics", etc., is received by those who have completed the requirements for graduation. Recognition is given those who win scholarships and those qualifying for scholastic honors. The Faculty and Students participate in full academic dress.

ATHLETICS

The college stresses an athletic program to develop qualities of sportsmanship and to further the aims of the required Physical Education curriculum.

Inter-Collegiate Sports

The college engages in competitive sports with other Junior Colleges and comparable teams. Basketball is the major sport. Other inter-collegiate sports include golf, tennis, and swimming.

The Intramural Program

The intramural program provides a variety of activities that will appeal to the students and bring about their active participation, now and in later life, in games and sports that are physically wholesome, mentally stimulating, and socially sound. We expect our program to employ a part of the student's leisure time in physical activity and to be a contributing factor to the social success of his school life. The program also provides opportunity for every student to participate in competitive athletics. It is organized as a phase of the physical education program.

The program is administered by an Intramural Board which is composed of the Director of Physical Education, student Manager, and a representative from each independent social club, of which at present there are four: The Loafers, Gators, Terrapins and Eager Beavers.

The organization earning the highest number of points during the school year shall have its name placed on the Intramural Plaque, which is located in the lobby of the Armstrong Building.

HOME-COMING

Early in the Christmas holiday season, the College holds the annual Home-Coming Reception to which all students and Alumni are invited.

THE EVENING COLLEGE

To adults interested in advancing their education and information, Armstrong Junior College offers classes in varied subjects. Most of the classes carry full college credit to those students properly qualified; but for others, require no specific entrance qualifications other than an interest in learning.

ADULT STUDENTS

All regular day or credit classes are open to adults who wish to attend as SPECIAL students. If college credit is desired, such students must meet the entrance requirements for regular students. Exemption from physical education requirements may be secured by petitioning the faculty.

STUDENT CONDUCT

Armstrong students conduct themselves as ladies and gentlemen. Personal honor and respect for the rights of others is our standard.

The following is quoted from the minutes of the College Commission for the students' information:

"Hazing in all forms is prohibited at Armstrong Junior College.

Drinking alcoholic beverages and gambling on college property is prohibited.

Violation of these or any other regulations will subject the students to disciplinary action by the faculty which may mean the expulsion of the offender or offenders from the college."

Organizations and groups using the name of the college in their social and other functions are identified with the college and become subject to the same high standards of conduct and of supervision whether on or off the campus. The reputation of Armstrong is in the hands of its students.

The act of registration at Armstrong Junior College constitutes an agreement by the student to abide by the regulations as outlined in this catalog, or promulgated by the college commission, the faculty, and the student body.

Registration

(For Dates See Calendar on Page 4)

NEW STUDENTS

A student planning to enter the College should request an application blank entitled "Application for Admission Card." When this completed form is received by the Registrar, a check is made of the student's high school transcript. In the case of a transfer student, a check is made of his college transcript. *A STUDENT PLANNING TO ENTER ARMSTRONG SHOULD REQUEST HIS HIGH SCHOOL PRINCIPAL OR THE COLLEGE REGISTRAR* (in the case of a transfer student) *TO SEND A TRANSCRIPT OF HIS CREDITS* to The Registrar, Armstrong Junior College, Savannah, Georgia.

A student planning to enter on the basis of the General Educational Development tests should request the Registrar to arrange with the Guidance Center for the administration of the entrance examinations.

Having checked the student's records for compliance with the minimum requirements for admission, the Registrar will send a notice to the student that he has been admitted to the college. It will then be unnecessary for the prospective student to take any further action until the date indicated in the calendar. However, any member of the college faculty or administration will be glad to talk with any person planning to continue his studies in college about any problem confronting him.

ADMISSION BY CERTIFICATE

1. A candidate for admission to Armstrong Junior College must be a graduate of an accredited high school with sixteen units of credit.
2. No subject-matter units are prescribed. The high school program should be of such nature as to give satisfactory preparation for beginning college studies. Subjects which may be expected to contribute to this end are English composition and literature, natural science, history and other social studies, foreign languages, and mathematics. The right is reserved to reject any applicant whose high school program does not indicate adequate preparation for college work.

A record of high school credits earned by the applicant should be made out on the proper forms by an official of the high school and mailed directly to the office of the registrar. This certificate becomes the property of the Junior College and cannot be returned to the applicant.

3. Three units in Mathematics and one unit in Physics or its equivalent is a prerequisite for admission to the freshman class in engineering.

ADMISSION BY EXAMINATION

Students who do not meet the above requirements for admission by certificate may take entrance examinations prescribed by the College. A fee of two dollars is charged for each examination taken. Entrance examinations must be completed at least one week before registration. Additional information may be secured from the Registrar.

ADMISSION TO ADVANCED STANDING

Advanced credit will be allowed for work done in other institutions of proper rank and standing and for schools and experiences in the Armed Services. All work presented for advanced standing will be evaluated by the Registrar. To receive a diploma from Armstrong College a student must be in attendance the last two quarters taking a normal load, and in addition, must satisfy all the requirements of a particular course of study.

ADMISSION OF VETERANS OF WORLD WAR II

In accordance with the recommendation of the State Department of Education that local high schools give diplomas to veterans who have completed four or more units of high school work in the local high schools and who make certain scores on each of the G. E. D. tests, Armstrong Junior College will accept veterans whose official test records show scores that indicate the applicant's capability to do college work.

TRANSCRIPTS OF CREDITS

Each student is entitled to one official transcript of his college work. The charge for additional copies is \$1.00 each. Requests for transcripts are complied with promptly.

LIBRARY FINES

Fines are assessed for failure to comply with library regulations. Students who are delinquent in their financial obligations to the college may not receive grades, reports, or other records of their work until such delinquencies have been adjusted.

FEES AND REFUNDS

Fees will be charged according to the student's load in quarter hours. A normal load is 16 to 17 quarter hours each term or quarter.

<i>Fees for residents of Chatham County</i>	<i>Fees for other resi- dents of Georgia</i>	<i>Fees for non-resi- dents of Georgia</i>
5 quarter hours . \$22.00	 \$26.00	 \$33.00
10 quarter hours . 36.00	 43.00	 54.00
15-18 quarter hours . 50.00	 60.00	 75.00

A student who was on the Dean's List the preceding quarter may take in excess of the normal load upon payment of \$1.00 per quarter hour for the extra course. If for any reason other students are permitted to take work in excess of the normal load, the charge will be \$2.00 for each quarter hour of the extra course.

Students taking laboratory work will be required to pay a small fee for materials and equipment. This fee is indicated in the description of courses found under "Course Descriptions" elsewhere in this bulletin.

Anyone wishing to audit a course (but not to receive college credit) may do so with permission of the instructor by paying a fee of \$10.00 for each five-hour course.

A late registration fee of \$2.00 will be charged any student who fails to register and pay fees on the day designated for registration at the beginning of each quarter unless he presents a doctor's excuse.

Fees will be returned to students withdrawing during the first three days of any quarters. Anyone withdrawing thereafter during the first thirty days of a quarter will receive a refund of one-half of the registration fee. No refunds will be made after the first thirty days of a term, and no refunds will be made to those dismissed from the college.

A fee of \$5.00 will be collected from each candidate for graduation to cover cost of invitation, diploma, and rental of cap and gown.

REPORTS AND GRADES

It is felt by Armstrong Junior College that students in college who are old enough to vote should be held accountable for their own scholarship. Accordingly, report cards, warnings of deficient scholarship, and other such notices are not sent out to parents or guardians by the college except by request. Instead, the students themselves receive these reports and are expected to contact their advisers whenever their school work is unsatisfactory. Report cards are issued at the end of each quarter. Warnings are issued in the middle of each quarter. Each student is assigned one especial member of the faculty to advise him or her; and in addition, the Registrar, Dean of Students, and all instructors are ever ready to help and advise any student seeking counsel.

Reports are based on the following system of marking:

A plus (95-100)	4 honor points per quarter hour
A (90-95)	3 honor points per quarter hour
B (80-90)	2 honor points per quarter hour
C (70-80)	1 honor point per quarter hour
D (65-70)	No honor points per quarter hour
E (Incomplete)	Condition must be removed during following quarter
F (Failure)	Course must be repeated

An E (Incomplete) may be removed by means stipulated by the instructor of the course in which the student received the grade E. An E not removed in the succeeding quarter automatically becomes an F.

In order to graduate a student must complete one of the programs of study outlined in the catalog with an average of one honor point for each hour scheduled.

NORMAL SCHEDULE

The unit of work for the regular student is 15-18 quarter hours per quarter. A normal schedule of sixteen quarter hours pre-supposes that the average student will devote approximately forty-eight hours per week to his college classes and to his preparation therefor.

Permission to enroll for more than 17 quarter hours is granted when curricula requirements make such action necessary, or when evidence as to the capacity of the student seems to justify that the privilege be granted.

Should a student's work load fall below the normal schedule, the student's parent or guardian (in the case of veterans attending school under Public Laws 16 or 346, the Veterans Administration) will be notified.

A student may drop a course at any time during the first five weeks of the quarter without incurring the penalty of a grade of "F"—Failed. If for a legitimate reason he is allowed to drop a course after that, a w/d (withdrawn) will be entered on his permanent record. Otherwise, the grade of F is entered.

EXPLANATION OF COURSE CREDIT

A lecture course carries with it a credit of one quarter hour for each hour it meets during the week throughout one quarter. A course running five hours a week for one quarter carries 5 quarter hours, or $3\frac{1}{3}$ semester hours, credit. Laboratory courses, as a rule, allow one-half quarter-hour credit for each hour of lab during the week.

WITHDRAWALS

A formal withdrawal, presented in writing, is a prerequisite for honorable dismissal from, or re-entrance into, this institution. Any student planning to withdraw should immediately make such intentions known to the administration of the school.

DISMISSALS AND PERMISSION TO RE-REGISTER

Any student failing (except in cases excused before examinations on account of illness) to pass at least one course other than physical education in any one quarter will be dropped from the rolls of the college. Any students who fail to make an average of at least twenty honor points during the first three quarters' work at the Junior College will not be allowed to re-register. Withdrawal is recommended to all students with less than a "C" average at the end of the fourth quarter of college work, and at the end of the sixth quarter's work a student must have sixty honor points in order to re-register.

HONORS

Students who have been in attendance for three consecutive quarters and who have achieved an average of "B" or better, and who have no grades below that of "C" will be placed on a Permanent Dean's List in a book for that purpose kept in the office of the President. The College will publish a Permanent Dean's List at the end of each academic year.

Students who maintain a grade of "B" or above in each course during a quarter will be placed on the Dean's Scholastic Attainment List.

The designation Summa Cum Laude (with highest distinction) will be bestowed upon those graduating with an average of 3 honor points per quarter hour.

The designation Cum Laude (with distinction) will be bestowed upon those graduating with an average of 2 honor points per quarter hour.

A Valedictorian will be elected by the graduating class from among the five students with the highest scholastic average in the work completed before the term in which the students graduate.

FRESHMAN WEEK

Tuesday, September 23, through Friday, September 26, 1947, will be designated Freshman Week. All Freshman students will report to the Auditorium of Jenkins Hall at nine o'clock Tuesday morning, September 23, for the orientation and placement program.

During this period all Freshman students will (a) be informed of the new problems facing them as college students and of the type of study needed to use their advantages wisely, (b) be given physical

examinations, (c) be given a series of tests to help them and their advisers plan their curriculum wisely, (d) be told of the extra-curricular activities of Armstrong Junior College. Each student will, at this time, be introduced to the faculty members, one of whom will act as his counsellor. The physical examinations given at this time are required of all students. The women will be examined by a woman physician.

HOW TO MAKE OUT A PROGRAM

1. Decide what you are going to prepare for, after full discussion and consideration of your interests and qualifications with parents and friends who can help you, and after interviews with one or more members of the faculty, one of whom will be assigned as your adviser.

If you can complete your training here, you and your adviser to whom you have been assigned should make a tentative list of the subjects to be taken during each of the quarters you plan to be at Armstrong. Your adviser will keep a copy for future reference so that you may build your program each quarter with a definite goal in mind.

2. If completion of your training involves going to another school after you leave Armstrong, the following steps are advisable:

a. Secure the College's catalog and see what courses must be completed at Armstrong to meet the degree requirements at the senior college.

b. Schedule the prerequisites for the courses you wish to take later.

c. Make a list of the subjects you will take at Armstrong Junior College for each of the quarters before you transfer, and be sure it includes all of the courses you will be required to have for junior class standing.

3. Faculty advisers will have work sheets to be filled out in consultation with the student.

ADVISERS ARE COUNSELORS AND FRIENDS

No student should attempt to plan his course without consulting the bulletins of information issued by the various state colleges, universities and departments of universities. Every university, college or department has its own particular and specific requirements for entering regular third year work; and unless the student is most careful in his selection of subjects during the first year, he will inevitably lose time, a feature which is entirely unnecessary if the student enters the Junior College with a full knowledge of University requirements.

Likewise there are specific requirements for all sorts of jobs and positions, and unless the student has satisfactorily fulfilled them, the jobs will not be open to him. Do not try to select your courses without consultation with your adviser. It is not fair to you or to the College.

Since the adviser is the individual to whom requests for personal recommendations are referred, the student is urged to acquaint the adviser with his whole program, including the entire scope of his activities, hopes and aspirations, as well as his program of studies. Practically all reliable enterprises now require personal recommendations as well as academic ratings. The officials of the school can assist many to be placed in schools, industry, and in business when they can give a full and complete account of the student's personal as well as academic qualifications. To this end all teachers are directed to file two-to-five word summary statements for each of their students to be used in the formulation of the recommendations which may later be required. Such qualities as honesty, neatness, punctuality, loyalty, industry, dependability, ability to get along with others, etc., are of paramount importance.

RECOMMENDATIONS

The recommendations issued by the junior college are written in terms of the grades you earn and what your teachers think of you as expressed by them at the close of your work in each class in a written report to the Registrar. These reports are a part of your permanent record. They correspond to employers' records of employees.

ATTENDANCE

Students are required to attend classes as scheduled. Any absence, whatsoever, from classwork entails a loss to the student. No absence is excused except for personal sickness, serious illness in the family, or other urgent reasons accepted by the college faculty. *FOR EACH UN-EXCUSED ABSENCE, IN EXCESS OF THE NUMBER OF CREDIT HOURS IN THE COURSE*, the student will be penalized one honor point. It is the responsibility of the student to give to his instructor the excuse for each absence. Special departmental regulations may be applied for laboratory courses. It is the responsibility of the student further to arrange with his instructor to make up an announced quiz within a week of the date that quiz was given. At the discretion of the instructor a fee of \$2.00, payable to the Treasurer prior to the make-up, will be charged. A student who arrives in class after the roll has been checked will be counted absent unless he presents the instructor with a satisfactory explanation of his tardiness.

Students who make the Dean's list for two consecutive quarters shall be exempt during the ensuing quarter from the regulations governing absences and shall be exempt thereafter as long as the students maintain an honor roll average. To the foregoing regulation there are to be the following exceptions: (a) the privilege of absence does not apply to requirements of attendance relative to written or laboratory work or to quizzes and examinations; (b) the privilege earned by the student shall be forfeited if that student is absent without excuse immediately before or immediately after holidays; (c) it is understood that the instructor in any course has the right to consider participation by the student in class discussion as a necessary part of the work upon which he bases the final grade. Thus, a student having honor roll privilege who absents himself more than the instructor thinks is reasonable for this purpose, may earn a lower grade, as a result of non-attendance, than would be shown by the examination grade alone.

Course Requirements for Graduation

SUGGESTED CURRICULA

All curricula suggested here are subject to modifications. Last-minute adjustments will be made. Check "Description of Courses" in this catalog and current schedule of classes for subjects to be offered.

The curricula here outlined are suggestive only. They may be materially changed by the student in conference with his adviser, who will assist him to build a course of study upon his own interests, abilities, and previous training in the light of his chosen objective.

The purpose of these courses is to accomplish a well rounded two-year college program in preparation for some specific occupation, or to enter some higher technical course.

Subjects are listed from 10 through 19, indicating work that is usually taken in the Freshman year and from 20 through 29 indicating subjects recommended for study in the Sophomore year.

ASSOCIATE IN LIBERAL ARTS

This course, while cultural in content, also furnishes the first two years of the degree requirements for journalism, business administration, law, education, and majors in social studies, English, music, drama, or the foreign languages. Whether or not a student intends to continue his formal education, the liberal arts program of study increases his understanding of the world in which he lives and heightens his appreciation of it.

<i>First Year</i>		<i>Second Year</i>	
English 11-12-13	9	English 21-22-23	9
History 11-12-13 or		Mathematics 11-12-13 ¹ or	
Mathematics 11-12-13 ¹	9	History 11-12-13	9
Foreign Language ³	10	Social Studies ³	10
Laboratory Science	10	Electives	20
Social Studies ³	5	Physical Education	3
Electives	5		—
Physical Education 11-12-13	3		51
51			

1 If chemistry or physics is scheduled, mathematics should be taken in the first year and history in the second year.
2 Students claiming credits for advanced algebra in high school will schedule mathematics 16-17.
2 See "Foreign Languages" under course descriptions.
3 Social studies include courses in history, political science, economics, psychology, and sociology. Advanced courses in foreign languages will also satisfy this requirement.

ASSOCIATE IN HOME ECONOMICS

This course is preparatory for the junior class in a senior college offering a degree in home economics. Graduates find their services in demand both in teaching, government extension work, and in commercial fields.

Students not intending to continue in college after leaving Armstrong will find the courses invaluable in home-making and household management.

<i>First Year</i>		<i>Second Year</i>	
English 11-12-13	9	English 21-22-23	9
Biology 11-12	10	History 11-12-13	9
Home Economics 11	5	Home Economics 21	5
Home Economics 12-13	10	Home Economic 22	5
Mathematics 11	3	Chemistry 11-12	10
Physical Education	3	Sociology 21	5
Psychology 21	5	Physical Education	3
Elective	6	Elective	5
	51		51

ASSOCIATE IN COMMERCE
(Secretarial Practice)

Upon completion of this program of study, the student should be able to fill competently the requirements of a secretary or book-keeper in the modern business office. This title is being added to the curricula as a result of the many requests received from employers for college students with secretarial training.

A certificate (but not diploma) will be given students qualifying in the one year stenographic course. A student who *knows* he has only one year to attend college may herein master the tools that will better enable him to earn a livelihood.

The following programs are *terminal* courses, not preparatory for the junior class of the Senior College. Students who plan to major in commerce in senior college should schedule the program of study outlined under the associate in liberal arts course.

REGISTRATION

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First Year

English 11-12-13	9
Commerce—	
(Typing) 11 A-B-C	6
(Shorthand) 12 A-B-C	15
(Comptometer) 13 A-B-C	6
History 11-12-13	9
Electives	5
Physical Education	3

Second Year

English 21-22-23	9
Commerce 17	5
Commerce 21 A-B-C	6
Commerce 22 A-B-C	15
Commerce 24-25-26	15
Physical Education	3
	53

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One-Year Stenographic Course

English 11-12-13	9
Commerce 11 A-B-C	6
Commerce 12 A-B-C	15
Commerce 24-25-26	15
Commerce 17	5
Physical Education	3
	53

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ASSOCIATE IN ENGINEERING

This program will satisfy degree requirements for the first two years of most types of engineering but should be varied for certain fields, such as chemical and electrical. The student should obtain a catalog from the senior college he plans to attend and have his adviser check his program with him against this catalog.

Chemical Engineers should omit Engineering 21, 22, 23, 24, and 26 and substitute one course in advanced chemistry.

Architectural engineering students should plan to continue their second year elsewhere.

The course requirements have been worked out in consultation with the Georgia School of Technology.

First Year

Mathematics 16-17-18	15
English 11-12-13	9
History 11-12-13	9
Chemistry 16-17-18	15
Engineering 11-12-13	9
Physical Education 11-12-13	3
	60

Second Year

Mathematics 21-22-23	15
English 21-22-23	9
Physics 21-22-23	18
Engineering 21-22-23	3
Engineering 26	2
Economics 21	5
Engineering 24	3
Physical Education 21-22-23	3
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ASSOCIATE IN PHYSICAL EDUCATION

Service Courses

All freshmen and sophomores will be given periodical examinations. On this basis, they will be divided into class one and class two. Students in class one will be given special exercises suited to their individual needs. Students in class two will be assigned regular required and elective activities.

Services courses:

Physical Education. 11-12-13 Required of all Freshmen.

Physical Education. 21-22-23¹ Required of all Sophomores.

The Physical Education Department is also designed to provide the first two years of preparation for a major in the field of Health and Physical Education for those students planning to enter the field of Education or Recreation.

Each student planning to major in Health and Physical Education or Recreation is required to take the following courses:

<i>First Year</i>		<i>Second Year</i>	
English 11-12-13	9	English 21-22-23	9
Biology 11-12	10	Nutrition (Home Econ. 23) . .	5
Psychology 21 (general) . . .	5	Mathematics 11-12-13	9
History 11-12-13	9	Child Psychology 24	5
Physical Education 11-12-13 .	5	Education 21	3
Hygiene 11	3	Chemistry 11-12	10
Psychology 23	5	Physical Education 21-22-23 ¹	4
Electives	5	Elective	6
	51		51

¹ Women will substitute P. E. 26 or 27.

ASSOCIATE IN SCIENCES

Students planning to major in science, medicine, dentistry, pharmacy, or veterinary medicine, or to be a laboratory technician, or to go into any scientific field should select the following course of studies.

This course is also recommended for students who wish to have deeper insight into the physical and natural world about them. Technological advances require one to have a broad foundation in the sciences if he is to understand common, everyday occurrences. Since we live in a scientific age, this course is recommended as a terminal course.

First Year

English 11-12-13	9
Mathematics 16-17-18 ¹	15
Chemistry 16-17-18	15
Biology 11-12	10
Physical Education	3
	—
	52

Second Year

English 21-22-23	9
History 11-12-13	9
Foreign Language ²	10
Physical or Natural Science	15
Electives	6
Physical Education	3
	—
	52

¹ Laboratory technicians, pre-meds, etc., should take Mathematics 11-12-13 or Mathematics 16-17, and elect another five hour course.

All electives in a pre-medical course should be from the laboratory sciences.

² See "Foreign Language" under course descriptions. Pre-medical students should elect French or German.

Course Descriptions

(Each course carries five quarter hours credit unless otherwise indicated.)

BIOLOGY

Biology 11 – General Zoology. Three hours of lecture and four hours of laboratory work a week for one quarter. Laboratory fee, \$2.50. Deposit \$2.50.

Biology 12 – General Zoology. Three hours of lecture and four hours of laboratory work a week for one quarter. Laboratory fee, \$2.50.

A continuation of Biology 11 with emphasis on biological principles. The Invertebrate Phyla are studied in the laboratory.

Biology 21 – Laboratory Technic. Prerequisites Biology 11-12. Three hours lecture and six hours laboratory a week for one quarter. Laboratory fee, \$3.00.

A course in methods of preparing microscope slides, preservation of tissues, and blood analysis. Methods of preparing tissues, staining, mounting, blood counting, blood typing and introductory work in clinical and laboratory chemistry are practiced.

Biology 22 – Invertebrate Zoology. Prerequisite, Biology 11-12. Three hours of lecture and six hours of laboratory work a week for one quarter. Laboratory fee, \$3.50.

A study of the structure and relationships of Invertebrates. Local forms in their natural habitat are emphasized.

Biology 23 – Vertebrate Zoology. Prerequisite, Biology 11-12. Three hours of lecture and six hours of laboratory work a week for one quarter. Laboratory fee, \$5.00.

A comparative study of vertebrate classes.

CHEMISTRY

Chemistry 11 and 12 – Introductory General Chemistry. Four hours lecture and three hours laboratory a week for two quarters. Laboratory fee, \$2.50 per quarter; Breakage Deposit \$2.50 per quarter.

This is an introductory course designed to meet the needs of non-science students. The preparation, properties, and uses of a number of the elements and their compounds are studied.

Chemistry 16, 17, 18 - General Chemistry. Three hours lecture and four hours laboratory a week for three quarters. Laboratory fee, \$2.50 per quarter; Breakage Deposit \$2.50 per quarter.

This is a course in general descriptive chemistry designed to meet the needs of those students who plan to major in the sciences. The fundamental laws are stressed.

Chemistry 24 - Qualitative Analysis. Prerequisite, Chemistry 16, 17, 18. Three hours lecture and six hours laboratory a week for one quarter. Laboratory fee \$5.00. Breakage deposit \$5.00.

The classroom work covers the theoretical background of the reactions involved in the laboratory procedures. A semi-micro scheme of analysis for both the cations and anions is used.

Chemistry 25 - Quantitative Analysis-Gravimetric. Prerequisite, Chemistry 21. Three lectures and six laboratory hours a week for one quarter. Laboratory fee \$5.00. Breakage Deposit \$5.00.

This is an elementary course in quantitative analysis using gravimetric procedures.

Chemistry 26 - Quantitative Analysis-Volumetric. Prerequisite Chemistry 21. Three lectures and six laboratory hours a week for one quarter. Laboratory fee \$5.00. Breakage Deposit \$5.00.

This is an elementary course in quantitative analysis using volumetric procedures.

COMMERCE

Students who have had commercial training in high school may schedule advanced courses involving skills by demonstrating their abilities to meet the requirements of the beginning courses.

Commerce 11A - Beginning Typing. Five hours a week for one quarter. Two quarter hours credit. Laboratory fee \$3.50.

This course consists of introductory instruction in the technical features and care of the machine, position, fingering, proper technique and mastery of the keyboard. An average speed of thirty words a minute is attained.

Commerce 11B - Intermediate Typing. Five hours a week for one quarter. Two quarter hours credit. Prerequisite: Commerce 11A or equivalent. Laboratory fee \$3.50.

Special emphasis is placed on speed building, accuracy, business letters and carbon copies. An average speed of forty words a minute is attained.

Commerce 11C – Intermediate Typing, continued. Five hours a week for one quarter. Two quarter hours credit. Prerequisite: Commerce 11A-11B or equivalent. Laboratory fee \$3.50.

Commerce 12A – Beginning Shorthand. Five hours a week for one quarter. Theory of Gregg Shorthand.

Commerce 12B – Intermediate Shorthand. Five hours a week for one quarter. Prerequisite: Commerce 12A or equivalent.

Continuation of theory of shorthand and beginning dictation.

Commerce 12C – Advanced Shorthand. Five hours a week for one quarter. Prerequisite: Commerce 12A-12B or equivalent.

Dictation and Transcription. Student is required to take dictation at the rate of eighty words a minute.

Commerce 13A, 13B, 13C – Burrough's Calculator and Comptometer. Five hours a week for three quarters. Two quarter hours credit per quarter. Laboratory fee \$3.50 per quarter.

The objective of this course is to build speed and accuracy in the operation of the Burrough's Calculator and Comptometer, and a thorough review of Business Mathematics. This is a two-year course. The first three quarters are devoted to the fundamental operations of the machine.

Commerce 17 – Office Practice. Five hours a week for one quarter. (Three quarter hours credit.)

A course designed primarily to develop skill in office procedure, transcription, mimeograph machine, and a study of the various systems of filing.

Commerce 18 – Business Organization. Five hours a week for one quarter.

Commerce 19 – Modern Business Mathematics. Five hours a week for one quarter. Prerequisite: Elementary Algebra.

This course gives that background necessary for dealing with problems found in banking, real estate, financing, and accounting; the operation of the Compound Interest Law in business; simple problems concerning bonds, sinking funds, valuation of properties, annuities, and insurance. Practical problems in these fields will be emphasized. The necessary aids and shortcuts with use of tables and logarithms will be studied.

Commerce 21A, 21B, 21C – Advanced Typing. Five hours a week for three quarters. Two quarter hours credit per quarter. Prerequisites: Commerce 11A-11B-11C. Laboratory fee \$3.50 per quarter.

Advanced Typing is a course in the acquisition of speed and accuracy including various legal forms and papers, manuscripts, and business papers. An average of 65 words a minute is attained.

Commerce 22A, 22B, 22C – Advanced Stenography. Five hours a week for three quarters. Prerequisite: Commerce 12A-12B-12C.

A course in which the principles of Gregg Shorthand are applied in developing skill and accuracy in writing shorthand and in transcribing. The first half year is devoted to dictation of general business material, the second half year, to dictation material applying to sixteen major vocations. A speed of 120 words a minute for five minutes is required.

Commerce 23A, 23B, 23C – Advanced Calculator and Comptometer. Five hours a week for three quarters. Two quarter hours credit per quarter. Laboratory fee \$3.50 per quarter.

This course is devoted to practical business problems found in the various lines of business. Also speed building with accuracy in the use of the machines is stressed.

Commerce 24-25 – Introductory Accounting. Five hours a week for two quarters.

This is a course designed to familiarize students with accounting procedures that may come within the scope of their responsibilities. These two quarters are devoted to the development of the elements of the accounting cycle: personal accounting; accounting for proprietorship; purchases; sales; fixed assets and deferred charges. One workbook and one practice set is completed during this period.

Commerce 26 – Accounting Problems. Five hours a week for one quarter.

This course is devoted to accounting for notes; drafts and trade acceptances; social security taxes; income, sales and property taxes; adjusting and classifying accounts; preparing statements and closing the books. One workbook and one practice set is completed.

Commerce 27 – Business Law. Five hours a week for one quarter.

Contracts: elements, required forms, avoidance of agreements, interpretation, enforcement. Negotiable instruments: elements of negotiability, endorsements and transfer, liabilities of parties, discharge. Sales: Vesting of title, warranties, enforcements, remedies.

Commerce 28 - Business Law.

Agencies, Partnerships, Corporations.

ECONOMICS

Economics 21. Introduction to Economic Theory and Problems. Five hours a week for one quarter.

This course presents a survey of economic thought of the past and present, makes an analysis of the economic institutions of today and examines some of the major economic problems in the modern world.

ENGINEERING

Engineering 11. Engineering Drawing. Six laboratory hours per week. Three quarter hours credit. Rent for drawing instruments and equipment, \$2.50.

Topics of study include lettering, the use of instruments, orthographic projection, auxiliary views, section.

Engineering 12. Engineering Drawing. Six laboratory hours per week. Three quarter hours credit. Prerequisite Engineering 11. Rent for drawing instruments and equipment, \$2.50.

Topics of study include sections, dimensions, limit dimensions, pictorial representation, threads and fastenings, shop processes, technical sketching, working drawings, pencil tracing on paper, reproduction processes.

Engineering 13. Engineering Drawing. Six laboratory hours per week. Three quarter hours credit. Prerequisite Engineering 12. Rent for drawing instruments and equipment, \$2.50.

Topics of study include technical sketching of piping and fittings, working drawings, ink tracing on cloth, working drawings from assemblies, and assemblies from working drawings.

Engineering 21. Descriptive Geometry. Three laboratory hours per week. One quarter hour credit. Prerequisite Engineering 13.

Topics of study include the solution of problems involving points, lines, and planes by auxiliary view methods. Practical applications are emphasized.

Engineering 22. Descriptive Geometry. Three laboratory hours per week. One quarter hour credit. Prerequisite Engineering 21.

A continuation of subjects studied in Engineering 21 including solutions by rotation methods, simple intersections, the development of surfaces.

Engineering 23. Descriptive Geometry. Three laboratory hours per week. One quarter hour credit. Prerequisite Engineering 22.

Topics studied include the intersection of surfaces; warped surfaces. Practical applications are emphasized.

Engineering 24. Applied Mechanics. Two hours lecture and three hours laboratory for one quarter. Three quarter hours credit. Prerequisite Mathematics 22 and Physics 21.

Topics of study include elements of statics; law of equilibrium applied to machines and structures, law of friction applied to simple machines, and analysis of simple structures, trusses, and cranes. Problems will be solved both graphically and analytically.

Engineering 26. Plane Surveying. One hour lecture and three hours laboratory for one quarter. Two quarter hours credit. Prerequisite Mathematics 17.

Theory and practice in chaining, differential and profile leveling, traversing, topographic surveying, reduction and plotting of field notes, and mapping.

ENGLISH

English A. Five hours per week for one quarter.

A non-credit course in the use of the English language. This course is a pre-requisite for English 11 for those students whose score on the English placement test is not sufficiently high. Attendance in this class may also be required of students in other courses whose use of English indicates their need for special work in language.

English 11-12-13. Freshman Composition. Three hours a week for three quarters. Three quarter hours credit per quarter.

The first half of the course is devoted to punctuation and the fundamentals of grammar, theme writing and vocabulary building. The second half of the course continues written composition and introduces the student to various types of literature.

English 21-22-23. Survey of World Literature. Three hours a week for three quarters. Three quarter hours credit per quarter.

A general survey of trends in literature from Homer to Hemingway. Students read and discuss selections from the works of the most prominent literary figures with particular emphasis on the cultural achievements of the West. In addition to the classwork each student is asked to select for further investigation an author or subject of especial interest to himself.

English 24. An Introduction to Poetry. Five hours a week for one quarter.

A study of the various types and forms of poetry with special emphasis on the works of the more recent British and American poets.

English 25. American Literature. Five hours a week for one quarter.

A survey of American literature and culture. In this course the student reads somewhat fully from works of a comparatively small number of notable and representative American writers. The course is primarily devoted to reading and discussion, but each student is asked also to select one particular period or author for concentration, making reports and writing papers in that phase of the work.

English 26. Advanced Composition. Five hours a week for one quarter.

Advanced writing practice. The course is designed to equip the student to express his ideas in clear, well-organized, and interesting prose. Various techniques of composition are considered, but the main portion of the course is devoted to the writing and re-writing of exposition.

English 27. Reading Modern Drama. Five hours a week for one quarter.

Students will participate in class reading and discussion of selected dramas. The plays will not be acted. The course is expected to improve the student's diction and reading.

EDUCATION

Education 21. Introduction to Education. Three hours a week for one quarter. Three quarter hours credit.

A brief survey of the field of education, including the topics, aims, organization, methods of financing, curriculum, constructions, qualification of teachers, ethics of the profession, etc.

FOREIGN LANGUAGES

Students who have had two years of high school language recently should be prepared to enter either French or Spanish 21. Placement tests will be given students entering the 21-courses and they will be assigned to the proper section accordingly. Students with one year of credit may enroll in either an 11 or 20-course. Credit will not be given for both 11 or 12 and 20.

FRENCH

French 11-12. Elementary French. Five hours a week for two quarters. Five quarter hours credit per quarter.

A course for beginners. Grammar, oral and written practice, early reading of selected material in French. In the quarter, the reading objective will be emphasized along with continued practice in conversation and composition.

French 20. Five hours a week for one quarter.

A review course in which French 11 and 12 will be covered in one quarter. It is designed for those students who have studied the language before but for any reason are not prepared to enter French, 21. French 20 will be completed by them before they enter French 21.

French 21-22 Intermediate French. Five hours a week for two quarters

A course in review grammar. Oral and written practice; reading of selected texts.

French 23. Introduction to Literature. Five hours a week for one quarter.

A survey course with particular emphasis on the nineteenth century. Written and oral reports on collateral readings.

French 24. French Classical Drama. Five hours a week for one quarter.

Selected plays of Corneille, Moliere and Racine are studied. Four plays are read in class and four plays read as collateral.

French 25. French Short Stories. Five hours a week for one quarter.

A study of the short story in France with varied reading and discussion of selected authors.

GERMAN

German 11-12. Elementary German. Five hours a week for two quarters. Five quarter hours credit per quarter.

Drill in fundamentals: Cases, principal parts of verbs, tenses, strong and weak verbs, adjectives. Vocabulary. Introduction to the noun declensions. Related reading. Second course devoted to additional grammar: the subjunctive, passive voice, pronoun types, declensions. Vocabulary building stressed in a graduated reading series.

German 21. Review Grammar. Five hours a week for one quarter.
Extensive review of all grammar. Advanced reading and writing.

SPANISH

Spanish 11-12. Elementary Spanish. Five hours a week for two quarters. Five quarter hours credit per quarter.

These courses are for the purpose of providing the student with the elements of Spanish by reading, composition and speaking.

Spanish 20. Five hours a week for one quarter.

A review course in which Spanish 11 and 12 will be covered in one quarter. It is designed for those students who have studied the language before but for any reason are not prepared to enter Spanish 21.

Spanish 21. Intermediate Spanish. Five hours a week for one quarter.
Grammar review, composition and selected prose readings.

Spanish 22. Advanced Spanish. Five hours a week for one quarter.

The purpose of this course is to increase the students' facility in writing and speaking Spanish. Selected masterpieces of Spanish literature are read.

Spanish 23. Commercial Spanish. Five hours a week for one quarter.

A study of business letters and forms used by the Spanish-speaking world and of the vocabulary of trade, travel and communication.

Spanish 24. Modern Prose Readings. Five hours a week for one quarter.

This course provides intensive reading of novels, plays and short stories of nineteenth and twentieth century Spanish and Latin-American authors.

HISTORY

History 11-12-13. History of Western Civilization from the Beginning to the Present. Three hours a week for three quarters. Three quarter hours credit per quarter.

A survey of the political and cultural history of the Near Eastern and European civilization from the earliest times through the Reformation.

mation. Special emphasis is given to the Commercial and Industrial Revolutions, the rise of political democracy in Europe and America, the extension of European culture to Asia and Africa, the conflicts of European states, and the recent and contemporary developments in Europe and America.

History 21. English History. History of England and the British Empire. Five hours a week for one quarter.

A study of English political and social institutions from early times to the present with special emphasis given to developments since the Tudor period.

History 22. Latin America. Five hours a week for one quarter.

This course deals with the colonial, revolutionary and recent developments in the countries of Hispanic America.

History 23. Contemporary American History. Offered Spring quarter only. Five quarter hours a week for one quarter.

The purpose of this course is to examine the major factors in the development of the U. S. from the Spanish-American War to the present time. Political, social, and cultural issues are examined and developments abroad which come into contact with the American scene are studied.

HOME ECONOMICS

Home Economics 11. Clothing. Three lectures and six hours laboratory each week for one quarter.

This course is designed to establish appreciation, interests, habits, and attitudes as guides in selection, purchase, design, construction, and care of clothing. Problems are provided so that students gain experience in application of these principles. A study of good grooming habits is included.

Home Economics 12. Foods. Three lectures and six hours laboratory each week for one quarter. Laboratory fee, \$7.50.

A study of the basic facts underlying food selection and preparation. The laboratory periods provide opportunity for practical experience in cookery.

Home Economics 13. Foods. Three lectures and six hours laboratory each week for one quarter. Laboratory fee, \$7.50.

A continuation of the study in foods including different types of dishes used for specific purposes, food selection, meal planning, and

table service. Students gain actual experience in all forms of family entertaining such as family meals, buffets, teas, receptions, etc.

Home Economics 21. Home Planning and Furnishing. Four lectures and one laboratory period each week for one quarter.

A study of planning and furnishing the home from the standpoint of family needs; modern tendencies in housing and application of principles of art to home furnishings; a short history of architecture and furniture; study of furnishing various rooms emphasizing heating, lighting, and treatment of walls, floors, windows, together with selection and arrangement of furnishing.

Home Economics 22. Nutrition. Five hours a week for one quarter.

A study of nutritive requirements of individuals and family groups; relative costs of foods, dietary calculations. Emphasis is placed on nutritive properties of foods, and on the requirements for energy, proteins, mineral elements and vitamins.

Home Economics 23. Art Principles and Design. Two lectures and eight hours laboratory work each week for one quarter. Five quarter hours credit. Laboratory fee, \$2.50.

A study of the principles of art as seen in familiar works of art and as applied in problems of everyday life. Laboratory periods involve illustration of art principles, textile design, and work with crafts.

HUMANITIES

Humanities 21. Great Music. Three hours per week for two quarters. Three quarter hours credit per quarter. Laboratory fee, \$2.50.

A course designed to introduce the student to such varied musical forms as the fugue, the sonata, the symphony, the concerto, and the tone poem. The lives and general backgrounds of the major composers will be discussed. Lectures and class discussions will be supplemented by the playing of records.

HYGIENE

Hygiene 11. Three hours per week for one quarter. Three quarter hours credit.

Freshman Hygiene should give the student an understanding of the principle of mental and physical health. The aim is to educate the individual for sensible living in his environment.

JOURNALISM

Journalism 11-12-13. Two hours per week for three quarters. Two quarter hours credit per quarter. One quarter required of all regular staff members of college publications.

This class meets two hours per week for classes on the theory of Journalism. In lieu of one hour of lecture, two hours work on the staff of one of the college publications may be substituted. Students will gain practical experience in working out editorial, mechanical, and business problems dealing with a publication.

MATHEMATICS

Mathematics 11. Three hours a week for one quarter. Three quarter hours credit. Prerequisite: Two years of high school mathematics, including at least one year in algebra.

A review of some elementary algebra, including fundamental operations, theory of numbers, equations, factoring, fractions, and systems of equations. Special emphasis is placed on the analysis and solution of statement problems.

Mathematics 12. Three hours a week for one quarter. Three quarter hours credit. Prerequisite: Mathematics 11.

A continuation of algebra including exponents and radicals, quadratic equations, systems of quadratic equations, the binomial theorem, progressions, and logarithms. Again, special emphasis is placed upon the solution of statement problems.

Mathematics 13. Three hours a week for one quarter. Three quarter hours credit. Prerequisite: Mathematics 12.

A course in plane trigonometry, this course covers the solution of right and general triangles, the general solutions of trigonometric equations, identities, and polar coordinates.

Mathematics 16. College Algebra. Five hours a week for one quarter. Prerequisite: Two years of High School Algebra or Mathematics 11.

A course in advanced algebra designed especially for mathematics or science majors. This course begins with a review of theory of numbers, factoring, exponents and radicals, linear and quadratic equations, and includes a study of progressions, the binomial theorem, and theory of equations.

Mathematics 17. Trigonometry. Five hours a week for one quarter. Prerequisite: Mathematics 16.

This course begins with a review of logarithms and covers the solution of right triangles, the general solutions of trigonometric equations the solution of general triangles, identities, and polar coordinates.

Mathematics 18. Analytic Geometry. Five hours a week for one quarter. Prerequisite: Mathematics 17.

This course includes the analytic geometry of point, line and circle, conic sections, transformation of coordinates, polar and rectangular graphs, and parametric equations.

Mathematics 21. Differential Calculus. Five hours a week for one quarter. Prerequisite: Mathematics 18.

Theory of differentiation, with applications to tangents; maxima and minima; rates; curvature; velocity and acceleration; approximations; and Newton's method.

Mathematics 22. Integral Calculus. Five hours a week for one quarter. Prerequisite: Mathematics 21.

Formulas and methods of integration; single integrations applied to areas and lengths; volumes and surfaces of revolution; centroids and moments of inertia; pressure and work.

Mathematics 23. Differential and Integral Calculus. Five hours a week for one quarter. Prerequisite: Mathematics 22.

The law of the mean and indeterminate forms; series, with applications; partial and total derivatives, with applications; essentials of solid analytic geometry; multiple integration, applied to areas, volumes, centroids and moments of inertia.

PHYSICAL EDUCATION

P. E. 11M. Conditioning Course for Men. Three hours a week for one quarter. One quarter hour credit. Fall quarter.

Consists of Calisthenics; stunts and tumbling; lifts and carries; roadwork, dual combatives; and simple games.

P. E. 11W. Same Course for Women. Fall quarter.

P. E. 12M. Team Sports for Men. Three hours a week for one quarter. One quarter hour credit. Winter quarter.

Consists of elementary basketball, soccer, or speedball.

P. E. 12W. Same Course for Women. Winter quarter.

P. E. 13M. Elementary Swimming for Men. Four hours a week for one quarter. Two quarter hours credit. Spring quarter.

P. E. 13W. Same Course for Women. Spring quarter.

P. E. 21M. Elementary Tennis for Men. Three hours a week for one quarter. One quarter hour credit. Fall quarter.

P. E. 21W. Same Course for Women. Fall quarter.

P. E. 22. Elementary Boxing for Men. Four hours a week for one quarter. Two quarter hours credit. Elective.

P. E. 23. Senior Life Saving and Instructors Course in Swimming. Five hours a week for one quarter. Two quarter hours credit.

P. E. 24. Boxing for Teachers. Five hours a week for one quarter. Two quarter hours credit.

P. E. 25. Folk Rhythms. Mixed. Four hours a week for one quarter. Two quarter hours credit.

P. E. 26. Modern Dance. Four hours a week for one quarter. Two quarter hours credit. Elective.

P. E. 27. Tap Dance. Four hours a week for one quarter. Two quarter hours credit. Elective.

P. E. 28. Adult Recreative Sports. Mixed. Three hours a week for one quarter. One quarter hour credit.

Consists of passive, semi-active, and active games and sports which have carry-over value for later life.

P. E. 29. Folk Rhythms for Teachers. Five hours a week for one quarter. Two quarter hours credit.

PHYSICS

Physics 11. Freshman Physics. Three hours lecture and two hours laboratory a week for one quarter. Four quarter hours credit. Laboratory fee, \$2.50.

An elementary study of the fundamentals of Mechanics. Special emphasis will be placed on the solution of problems.

Physics 12. Freshman Physics. Three hours lecture and two hours laboratory a week for one quarter. Four quarter hours credit. Prerequisite: Physics 11. Laboratory fee, \$2.50.

An introductory course in the study of electricity with special emphasis placed upon practical application and solution of problems.

Physics 13. Freshman Physics. Three hours lecture and two hours laboratory a week for one quarter. Four quarter hours credit. Prerequisite: Physics 12. Laboratory fee, \$2.50.

An introductory course in that part of physics dealing with the fundamental laws of heat, light, and sound.

Physics 21. General Physics. Mechanics. Five hours lecture and three hours laboratory a week for one quarter. Six hours credit. Prerequisite: Mathematics 18 and high school physics or Physics 11, 12, and 13. Laboratory fee, \$2.50.

A course dealing with the fundamental laws of mechanics designed especially for the engineering or science major. The solution of a large number of problems will be required.

Physics 22. General Physics. Electricity and Magnetism. Five hours lecture and three hours laboratory for one quarter. Six quarter hours credit. Prerequisite: Mathematics 21 and Physics 21. Laboratory fee, \$2.50.

Electricity and related phenomena are taught in this course as a part of the basic General Physics course which includes Physics 21, 22, and 23. The solution of a large number of problems will be required, and the course includes application of the elements of differential calculus.

Physics 23. General Physics. Heat, Sound, and Light. Five hours lecture and three hours laboratory for one quarter. Six quarter hours credit. Prerequisites: Mathematics 22 and Physics 22. Laboratory fee, \$2.50.

Heat, Sound, Light, and atomic physics are taught in this course as a part of the basic General Physics course. The solution of a large number of problems with application of differential and integral calculus are required.

POLITICAL SCIENCE

Political Science 12. Theories of Political Science and Application of these Theories. Five hours a week for one quarter. Five quarter hours credit.

A study is made of the theory and practice of government and politics in the United States, Great Britain, France, Switzerland, Russia, and the pre-war Fascist nations. In addition, the workings of the United Nations Organization is observed. Each student concentrates on some aspect of the course that particularly interests him, and reports his findings to the class.

Political Science 13. Government in the United States. Five hours a week for one quarter. Five quarter hours credit.

A study is made of national, state, and local government in our country in actual practice.

PSYCHOLOGY

Psychology 21. Introductory Psychology. Five hours a week for one quarter.

An introductory course in psychology, including discussions of learning, memory, behavior, psycho-biological relationships, morale, and motivation.

Psychology 22. Social Psychology. Five hours a week for one quarter. Prerequisite: Psychology 21.

This course is an introduction to the psychology of groups. An analysis is made of the physiological and socio-cultural motivation of the individual from infancy to adulthood from the standpoint of his group relationships. Special attention is given to a study of leadership, the development of radical and conservative qualities, propaganda, war, fascism, communism, delinquency and public opinion.

Psychology 23. Child Psychology. Five hours a week for one quarter. Prerequisite: Psychology 21.

A study of the developmental factors operating in a child's experience that make for, or interfere with, effective expression of his capacities and efficient adjustment to life situations.

Psychology 24. Educational Psychology. Five hours a week for one quarter.

A study of psychological theories of learning and of goals in learning as they are represented in various teaching methods used in schools, family life and in social changes.

SOCIOLOGY

Sociology 21. Marriage and the Family. Five hours a week for one quarter.

A study of family backgrounds, preparation for marriage, marriage inter-action and family administration, family economics, problems of parenthood, family disorganization. A study of the family in the post-war period and present trends in family life is included.

SCHOOL OF NURSING

Armstrong Junior College offers the following nurses' courses in cooperation with the Warren A. Candler Hospital School of Nursing:

Anatomy 1n. Two lecture or recitation periods and one three-hour laboratory period. The course runs through two quarters, or may be conducted in one quarter. Fee, \$2.50 each quarter.

This course is conducted concurrently with the course in physiology, thus integrating the subject matter. The course includes both gross and microscopical anatomy. Lectures, demonstrations and some dissection.

Physiology 1n. This course is conducted concurrently with the course in anatomy. In the integration of the two courses, a basic understanding of the functions of the normal human body is presented so as to enable the student better to understand health, nutrition, and the pathological changes due to disease. The blood group of each student is ascertained and recorded. The methods of instruction are the same as in anatomy.

Microbiology 1n. Two lecture or recitation periods and one three-hour laboratory period. Fee, \$2.00.

The title "microbiology" is used because it is that branch of biology that deals with plant and animal forms, while bacteriology includes only the micro-organisms of vegetable origin. The characteristics and activities of micro-organisms and their relation to health and disease are studied; also the sources, modes, and prevention of infection and isolation; disinfection and asepsis; tissue changes in the healing process, infections and neoplasms. Explorations of scientists in the field of microbiology and new discoveries applicable to health conservation are noted. Lectures, recitations, demonstrations and laboratory work.

Chemistry 13n. Three lecture or recitation periods and one three-hour laboratory period. Fee, \$2.50.

The purpose of this course is to acquaint students with the principles of inorganic, organic and physiological chemistry with special applications to nursing practice. General composition of blood and urine is studied; the students volunteering to eat certain diets which show relationship of utilization of foods, and kidney function through urinalysis.

Sociology 2n. This course considers (1) the principles of sociology; (2) the nurse as a citizen of the community and as a professional worker; (3) the importance of the hospital among the social agencies in the community; (4) the patient in the hospital coming from the family and returning to the family. Three hours.

Home Economics 2n. Nutrition and Food Preparation, three hours. Fee, \$4.00.

The fundamental principles of nutrition and food preparation are considered. The nutrition requirements of children and of adults are compared. Special attention is given to the nutrition requirements of childhood and pregnancy.

Psychology 1n. Three hours. This course is an introduction to the study of human behavior with emphasis on the underlying principles of mental adjustments. The importance of the nurse's own personality is stressed.

English 1n. Three hours. A basic course in the fundamentals of reading, writing, and speaking English.

EVENING COLLEGE

(Description of courses under separate cover will be furnished upon request)

Courses appearing on students' transcripts numbered above 100 are the same as corresponding courses in the last two digits under "Course Descriptions."

Art 22. - Painting with Water Colors and Pastels. $1\frac{1}{2}$ quarter hours credit.

Commerce 151-152 - Typewriting. $1\frac{1}{2}$ quarter hours credit.

Commerce 161-162 - Gregg Shorthand. 3 quarter hours credit.

Commerce 171-172 - Comptometer. $1\frac{1}{2}$ quarter hours credit.

Commerce 182 - Elementary Accounting. 3 quarter hours credit.

Commerce 185 – Auditing Principles and Procedure. 3 quarter hours credit.

Commerce 186 – Cost Accounting. 3 quarter hours credit.

English 111 – Freshman English. 5 quarter hours credit.

English 112 – Freshman English. 5 quarter hours credit.

English 124 – Public Speaking. 1½ quarter hours credit.

Creative Handicraft. 1½ quarter hours credit.

History 101A – History of Western Civilization from the Beginning to the Reformation. 5 quarter hours credit.

Humanities 102 – 200 Years of Music. 2 quarter hours credit.

Mathematics 101 – Freshman Mathematics. 5 quarter hours credit.

Mathematics 103 – Trigonometry. 5 quarter hours credit.

Mathematics 99 – A Review Course. 3 quarter hours credit.

Navigation – Practical Celestial Navigation and Piloting. 2 quarter hours credit.

Psychology 131 – Introductory Psychology. 5 quarter hours credit.

Spanish 101 – Elementary Spanish. 5 quarter hours credit.

The above courses were offered in Evening School sessions during 1946-47.

OFFICERS OF ALUMNI ASSOCIATION

MR. JOHN TYRE	<i>President</i>
MR. WILLIAM LLOYD	<i>Vice-President</i>
MISS MARGARET PERSSE	<i>Secretary</i>
MISS LOUISE KAUFMANN	<i>Treasurer</i>

GRADUATES OF 1946

ASSOCIATE IN LIBERAL ARTS

Ruth Vera Baggs	Edria Knapp Keeter
Catherine Delannoy Bliss	Henrietta Kicklighter
Evelyn Bell Brown	Edith Moore Kuhlke
Emily Bancroft Buckner	Everett Spurgeon Lee
Betty Velma Burnside	Elizabeth Gene Maguire
Marjorie Lee Chapman	Betsy Jane Meadows
Margaret Hutcheson Claghorn	Dorothy Sugden Mather
Monique de Chezelle Davis	Martha Jane Middlebrooks
Marion Collins DeFrank	Ruth Annette Mullis
Gladys Elizabeth Denny	Rose Delores Parrott
Marguerite Emmalyn Downing	Gloria Roffman
Barbara Jean Gay	Virginia Lee Schaupp
Mary Hutcheson Gilchrist	Elsie Wayne Smith
Jeannette Estelle Glynn	Joyce Elizabeth Smith
Ava Dolores Gross	Janet Teresa Spillane
Annie Nelle Hewett	I. Joseph Switz
Margaret Streeter Holt	Elizabeth Florence Waters
Helen Doris Hornstein	Anne Virginia Wernicke
Maxine Kapner	Julia Lena Yarley

ASSOCIATE IN HOME ECONOMICS

Margaret Jean Browne	Dorothy June Johnson
Mary Lylete Crawford	Mary Elizabeth Nielsen
Gwendolyn Elizabeth Dupree	

PERMANENT DEAN'S LIST OF DISTINGUISHED STUDENTS

GRADUATES

"A" Average

Summa Cum Laude
Everett S. Lee
Elizabeth Waters

NON-GRADUATES

"A" Average

Edna Ann Hutchins
Mary Ellen Montgomery
Harvey Morgan

GRADUATES

"B" Average

Marjorie Chapman
 Marion DeFrank
 Emmalyn Downing
 Gwendolyn Dupree
 Edria K. Keeter
 Henrietta Kicklighter
 Gloria Roffman
 Rose Roffman
 Virginia Schaupp
 I. Joseph Switz
 Elsie Smith
 Janet Spillane

NON-GRADUATES

"B" Average

Donald Austin
 Miriam Bailey
 Beverly Beacham
 Marie Bright
 Betty Buntyn
 Grace Capetanakis
 Barbara Cowan
 Lorraine Crovatt
 Betty Anne Freeman
 Frances Haile
 Faye Hancock
 Ruth Kenline
 Elsie Lawing
 Dorothy Linton
 Leslie Snead
 Helene Ungar
 Susanne Vaughndorf
 Davant Williams
 Ann Williams
 Charles Williamson

STUDENT BODY

SOPHOMORES

Antonopolo, Georgia
 Armstrong, Gloria
 Austin, Donald
 Bagwell, Charles
 Bailey, Miriam
 Barker, Lynn
 Barnes, Mary Ann
 Beacham, Beverly
 Binns, William
 Birnbaum, Harriet
 Blair, Elsie Marion
 Blake, Robert
 Branch, Irene
 Brewer, Elizabeth
 Bright, Marie
 Brown, Howard B.
 Brown, Jane
 Brunner, William
 Byington, Betsy
 Byers, Margaret
 Capetanakis, Grace
 Clark, Grace
 Clark, Juanita
 Collier, Martha
 Colson, Mary
 Cook, Pattie
 Cordray, Bobbijane
 Cowan, Barbara
 Cox, Barbara

Cox, Sue
 Cranman, Mary
 Crovatt, Lorraine
 Curlin, Celeste
 DeLoach, Daniel
 DeVere, Helen
 Dickey, Sara
 Doerner, George
 DuBois, John
 DuPont, Mary Ann
 Durrence, Joanne
 Egan, Michael
 Exley, Mallette
 Fawcett, Sara
 FitzSimons, Theodore
 Flanders, Beverly
 Foard, Helen
 Forman, Betty
 Foster, Ruth
 Freeman, Betty Ann
 Gaddy, Carleen
 Gaudry, Leolene
 Goldberg, Harold
 Gracen, Lillian
 Greene, Harold
 Griner, Benjamin
 Hamilton, Phillips
 Hancock, Faye
 Harmon, Douglas

SOPHOMORES

Harris, Cecile
Haslam, Nelson
Hogan, Ruth
Hughes, Howard
Hutchins, Edna Ann
Hynes, Natalie
Isley, George
Kearney, Arthur
Kessler, Fred
Kessler, Wiley
Kilroy, Elizabeth
Laird, Allan
Lawing, Elsie
Linton, Dorothy
Little, Wilbert
Lucas, Clarence
Lynn, Cecil
Lyons, John
McGarvey, Warren
Mallory, James
Mallory, Lois
Malphrus, Florrie
Mamalakis, Chrys
Marks, Dixie
Mitchum, Carolyn
Montague, Mary
Montgomery, Mary Ellen
Moore, Alan
Moore, Bette
Moore, Lida
Munden, Billie Sue
Murphy, Carolyn
Nease, Leila Ann
Orsini, Marino
Porterfield, Annette
Pratt, Joan

Prendergast, Mary
Quattlebaum, Helen
Ratcliffe, James
Ratner, Bernard
Rauers, Mary
Redmond, Robert
Ryan, Angela
Saseen, Barbara
See, Joyce
Sigman, Fred
Simon, Nick
Smith, Fred
Smith, Martha
Smith, May Ann
Snead, Leslie
Sparkman, Charlie
Stevens, Leita
Stokes, Thomas
Sullivan, Ruth
Tarver, William
Theus, Charlton
Thompson, Eugene
Toshach, Sally
Ungar, Helene
Upchurch, George
Vaughndorf, Susanne
Walker, Betty
Walker, Marguerite
Walsh, Betty
Wheeler, Jane
Williams, Millard
Williamson, Charles
Williamson, Norman
Wilson, Eugene
Wood, James
Woodward, Anne

FRESHMEN

Abbott, Laurie
Adams, John
Adams, Martha
Aimar, Thomas
Akins, John
Alfieris, Costa
Allen, Lawrence
Altman, Frances
Anchors, John
Anderson, Charles
Anderson, Waldo
Andrews, Helen
Armstrong, Claude
Arnsdorff, Harold
Asselanis, Stamatios
Audesev, Joseph

Bacot, Jules
Bagwell, Eugene
Bailey, Charlotte
Baker, Allie
Banks, Louie
Barnes, Eugene
Baron, Edwin
Barragan, Patricia
Beall, Allen
Beck, William
Beckwith, Betty
Becton, Charles
Bell, William
Bergman, Jackson
Berry, Mercer
Berry, Thomas

FRESHMEN

Bird, William	Crews, Arch
Black, Henry	Cubbedge, Robert
Blackburn, Louise	Daniel, Emory
Blackburn, Nellwyn	Daugherty, Sidney
Blocker, Norma Faye	Davis, Elizabeth
Blumberg, Helen	Davis, Donald
Booker, Ann	Davis, Lawrence
Bourne, Leon	DeLettre, Dewey
Brabham, Moya	DeMars, Jean
Brannen, George	DeMars, John
Brewton, James	DeVere, Dorothy
Brigham, Charles	DeVere, George
Brown, George	DeWayne, Buckleigh
Brown, Harriet	Dickey, Grady
Brown, Henry	Dimmick, Robert
Brown, Hugh	Dismukes, James
Brown, Jack	Dodd, Harry
Brown, Samuel	Downs, John
Browne, Leonora	Dunn, Laurence
Burch, Barbara	Dupree, Gleaton
Burgin, Arnold	Durden, Rose Mary
Burt, Robert	Durkin, Francis
Butler, William	Durrence, Jack
Buttimer, John	Edwards, Adelia
Cannon, Anne	Elkins, Kertis
Capton, Warren	Ellis, James
Carpenter, Evelyn	Etherton, Phyllis
Carroll, William	Evans, Dexter
Carter, Lourdine	Evans, Reginald
Carter, Raymond	Fahey, Thomas
Cartledge, George	Falk, Richard
Cason, Robert	Farrior, William
Chandler, Arthur	Ferguson, Reginald
Chastain, Jesse	Fillyaw, Lawrence
Chenggis, Andrew	Finocchiario, Frank
Clanton, Charles	Fogarty, John
Clark, William	Fogarty, Moira
Clements, Joseph	Fogarty, Thomas
Cobb, Lucious	Fonts, Anthony
Cohen, Charlton	Fountain, Mary
Coleman, Frank	Frazier, Carolyn
Colley, William	Fretwell, Anne
Collins, Charles	Fritts, David
Colquitt, Alfred	Fulton, Mary
Conway, Harvey	Futrell, Hugh
Cook, Marian	Gaines, Thomas
Cooley, Irwin	Galin, Alvin
Cooper, Bernice	Garis, Katherine
Corcoran, Frederick	Gibbs, Herman
Cordell, Jerry	Gilbert, Elizabeth
Corey, Joan	Giles, Phyllis
Corley, Harmon	Gnann, Mary Elizabeth
Cowart, Gordon	Gordon, Raymond
Cox, William	Graham, Betty
Crane, William	Gray, Francis
Credle, Kenneth	Griffin, William

FRESHMEN

Groover, Robert	Kiley, Jack
Haag, Baron	Kimberly, James
Haddock, John	Kitchens, Mack
Hale, Charlotte	Kluber, Harold
Hall, Colleen	Knight, Stuart
Hamley, Robert	Knight, Troy
Hardee, James	Kraft, Rose Marce
Harmon, Carl	Kravitch, S. Ily
Harmon, Robert	Kuhlke, Betty
Harney, William	Lain, Annabel
Harp, Fred	Laird, Donald
Harris, Jack	Laird, Marguerite
Harrison, Carter	Laird, Matilda
Harty, Anthony	Laird, T. A.
Hayman, Marguerite	Lamas, Ted
Hecker, Robert	Lanier, Colan
Heller, Haskell	Lawson, Marjorie
Heller, Rupert	Leaf, Hunter
Helmev, Edgar	Leaf, Nancy
Henderson, Kathleen	Lee, Edward
Hendrix, John	Leonard, Elizabeth
Hendrix, Paulette	Lester, Robert
Herndon, Percy	Lewis, John
Hickox, Juanita	Lilley, Charles
Hindman, Benjamin	Livingston, Harry
Hodges, Cheatham	Logan, Joseph
Hodges, Eldred	Lord, Caroline
Hodgkins, Willis	Lord, Iverson
Holland, Robert	Love, Carroll
Holley, Ernest	Love, Verdie
Hollingsworth, Joseph	Lowenkopf, Melvin
Holmen, Gustav	Lynn, James
Holton, William	Lyons, Charles
Hopkins, Emil	Maclaurin, Robert
Horton, Homer	McClure, Lee
Horton, William	McCullough, Roy
Howkins, John	McDonald, Richard
Hyrne, George	McDuffie, Robert
Hyrne, John	McGhee, Jerry
Inhulsen, Bernard	McGinty, John
Jarrett, Elizabeth	McGraw, George
Jarrott, George	McKnight, Eugene
Johnson, Cecil	McMillan, Jane
Johnson, Dorothy Mae	McTeer, Joseph
Johnson, Howard	Mackey, Herbert
Jones, Bert	Mallory, Paul
Jones, Georgetown	Matthews, Ashby
Jones, William	Maxwell, Josephine
Joselove, Joseph	Mayer, Anne
Joselove, Riette	Meddin, Roger
Kahn, Baldwin	Melson, Robert
Kandel, Phillippa	Mikell, John
Kavanaugh, Mary Ann	Miles, Frank
Keever, Linney	Miller, Betty Anne
Ketchum, Nelson	Miller, Sara Anne
Kicklighter, Grady	Mingledorff, Arthur

FRESHMEN

Minis, Carolyn
Mixon, Cameron
Monahan, William
Mooney, Thomas
Morel, Jacob
Morel, Mary
Morris, Clinton
Murphy, Henry
Nathan, Irving
Newman, John
Newton, Benjamin
Nichols, Stellgis
Nichols, Van Nolan
Nicholson, William
Nightingale, Rufus
Nix, Lillie Mae
Nodvin, Marvin
Nowell, Vernon
Nowell, Walter
Nutting, Sidney
O'Connor, Daniel
O'Donovan, John
Olson, John
Owens, Jimmie
Oxenfield, Jean
Pahno, Arthur
Pahno, Leon
Paine, Hampton
Parrish, Jesse
Patterson, Joseph
Patterson, Mary
Paulsen, Jacob
Pearson, Thomas
Perkins, Dennis
Persse, Jefferson
Peters, Hazel Mae
Petris, Paul
Pierce, Robert
Pitts, Elizabeth
Pitts, Paul
Porter, Robert
Price, William
Prince, Dewey
Rahn, Henry
Ratcliffe, William
Reed, William
Reeves, George
Register, Meta Price
Rehm, Raymond
Reisman, Louis
Rice, Janice
Richard, John
Richard, Robert
Richards, Vernon
Richards, Wallace
Rizza, Frank

Roane, Curtis
Roberts, Emory
Robertson, Clinton
Robinson, John
Robinson, Robert
Rockwell, Charles
Rogers, James
Rogers, Jesse
Rosenthal, Morris
Royce, Carolyn
Rudofsky, Louise
Ryan, Jo
Ryan, Mary
Ryder, Donald
Saseen, Joseph
Saxon, Martha
Schroder, Oliver
Scott, Franklin
Seawright, Carolyn
Seawright, Patricia
Seckinger, Barbara
Silver, Julian
Simms, Evelyn
Sims, Archibald
Sineath, Fred
Sitler, William
Slotin, Harry
Small, Thomas
Smith, Corry
Smith, Kulman
Smith, Robert
Smith, William
Snipes, Harry
Solana, Joseph
Solomons, Joseph
Sowell, Robert
Sparkman, John
Speir, Henry
Stevens, James
Stewart, Charles
Stewart, John
Strachan, Mary
Street, Wayne
Strickland, Paul
Strickland, Sidney
Strickland, William
Taylor, Louise
Teuton, James
Thomas, Reppard
Thorpe, Benjamin
Thorpe, Edwin
Tiencken, William
Tootle, James
Tranberg, Carl
Turner, DeLamar
Turner, Hubert

FRESHMEN

Varn, Ronald
Veale, James
Wade, Theresa
Walker, Herchel
Wall, William
Wallace, William
Waller, Edgar
Walsh, Verna
Waters, Edsel
Waters, Elizabeth
Watts, William
Way, Robert
Weathers, Jean
Webster, Charles
Whitener, Nancy

Williams, Barbara
Williams, James
Wilson, Paul
Wilson, Robert
Winn, William
Wise, Pauline
Wolson, Freddie
Woods, Wilbur
Worrell, William
Wyman, Betty
Yarber, William
Yates, James
Zalkow, Leon
Zilch, Marian

WARREN A. CANDLER NURSES

Willie Mae Arnsdorf
Aubrea Barrett
Barbara Ann Burns
Barbara Davis
Betty Jean Dougherty
Melba Louise Flood
Bobbie Allie Herring
Edna Laveau Jones
Anne Kicklighter
Virginia Jane Little
Margaret McKenzie

Martha Susan Monk
Vilma Neal
Vera Newman
Denta Faye Purcell
Shirley Scruggs
Geraldine Skipper
Myrtle Shelnutt
Eunice Solomons
Daisy Belle Wilkerson
Lucy Angela Woods

EVENING SCHOOL STUDENTS

Ambrose, Merritt
Bacon, Dorsett
Bagwell, Eugene
Bailey, Charlotte
Baker, Dorothy
Beaujean, John
Becton, Joseph
Bell, Orell
Brabham, Moye
Brabham, Mrs. Moye
Brown, Edith
Brown, James
Bryant, Ruth
Buckshaw, Elizabeth
Callendar, Francis
Cater, Fletcher
Chandler, Henry
Christian, John, Jr.
Christian, Mrs. John, Jr.
Collins, Mrs. W. Arthur
Coolidge, Harold B.
Cooper, Jacob.

Copeland, Jean H.
Cox, Walter M., Jr.
Coyle, Betty
Cummins, Mrs. L. Ross
Daniels, Thomas, Jr.
Deegan, Anthony
Diamond, Sophie
Dinerman, Pauline
Doherty, Jane
Donnan, Sarah
Duke, Daniel F., Jr.
Durrence, Elizabeth
Dutton, Mrs. George
Edenfield, William
Elkan, Mabel
Ellis, Fred
Erickson, T. W.
Ernst, H. Andrew, Jr.
Etheredge, Henry
Floyd, Sarah
Flythe, Thomas W.
Fogarty, Richard

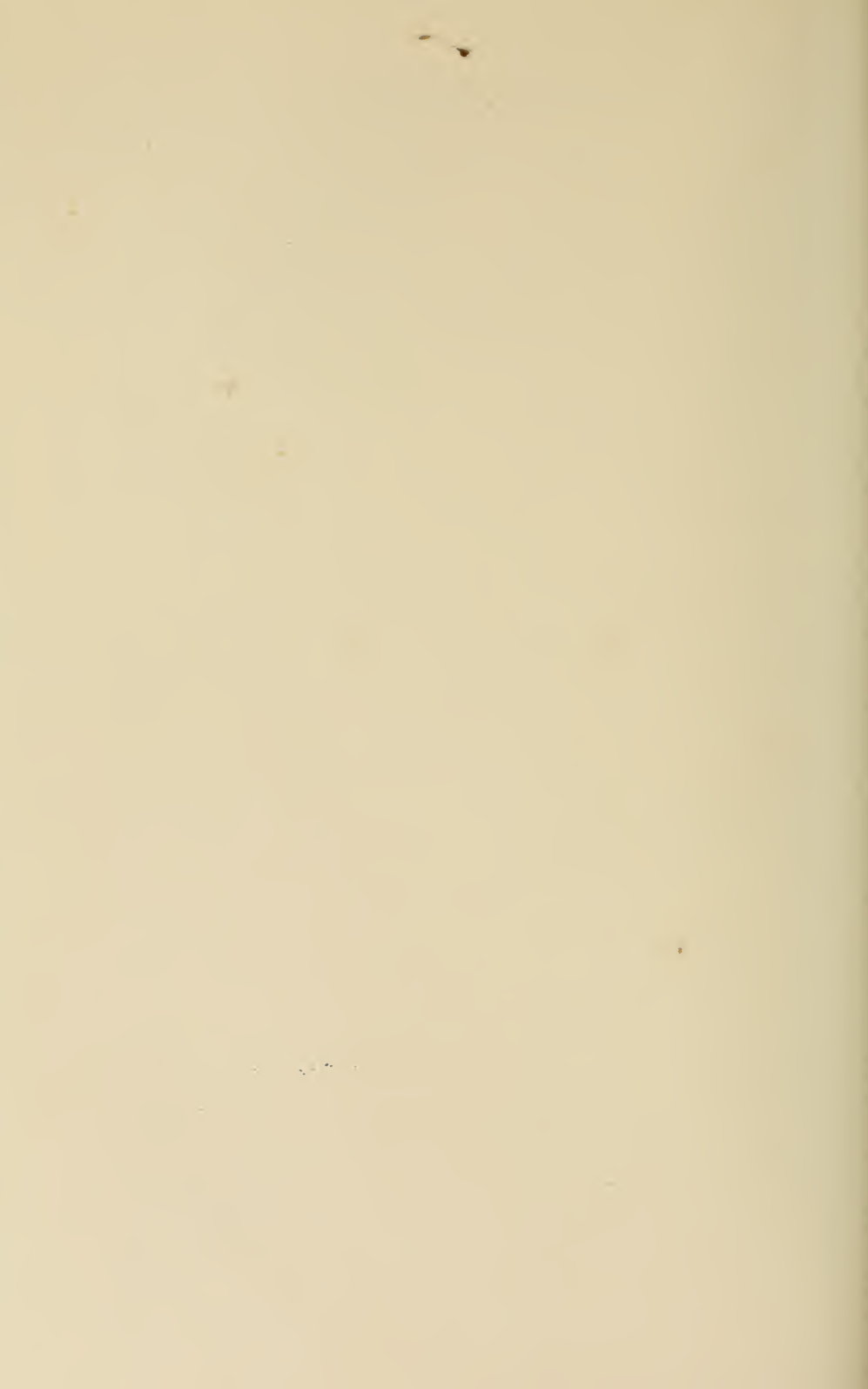
EVENING SCHOOL STUDENTS

Folger, Bernard	Mendel, Dorothy
Folger, John	Miles, Frank
Foran, Juanita	Miscally, Louise
Foss, Henrietta	Mock, William
Fox, Betty Lou	Morgan, Nita
Frazier, Lonnie Jane	Morton, Frances
Fritts, Jean Elizabeth	Murphy, Henry
Fulton, David	Nease, Ann
Garfield, Ida	Nease, Melville
Gerber, Marx	Nichols, LaVerne
Gignilliat, Elizabeth K.	O'Drezin, David
Gillikin, Sidney	O'Neal, Charles
Gillis, Vera	Paderewsky, Helen
Gnann, Andrew	Parker, James, Jr.
Goette, Catherine	Parker, Robert, Jr.
Gresham, Marion	Patterson, Joseph
Griffin, Juanita	Patrick, Lucile
Groover, Charles	Persse, Jefferson D.
Gruber, Doris	Peth, David
Gruber, William	Pape, Henry
Hagins, Frances	Pinckney, Catherine
Haile, George, Jr.	Porter, Robert
Harley, Dorothy	Powers, Walter, Jr.
Haynsworth, Mrs. E. H.	Price, Mary
Heath, Myrtice	Prosser, Arthur, Jr.
Henry, Wigg	Quattlebaum, Helen
Hickey, Mary	Quattlebaum, Mrs. Julian K.
Hicks, Clyde C., Jr.	Rabhan, Leonard
Hodge, David	Ralston, John, Jr.
Hogan, Daniel	Rianhard, Edell
Hood, John, Jr.	Richardson, Beulah
Hopkins, William, Jr.	Rizza, Robert
Hostetter, Elizabeth	Roberts, Louis
Jernigan, John	Rockwell, Helen
Johnson, Alice	Ross, Sam
Jones, Anne	Russell, C. R., Jr.
Jones, Georgette	Sally, Hazel
King, Basil	Salter, Jessie
Kreutter, H. R.	Schaupp, Virginia
Lang, Frank	Schreck, Essie
Lanier, Lois Mac	Schreck, Joseph
Lawton, Spencer	Scordas, H. T.
Lilis, E. A.	Scordas, Mrs. H. T.
McCarthy, June	Scott, Joseph Franklin
McClellan, Carolyn	Sinclair, Dorothy
McCroan, T. A.	Smith, Walter
McGinley, Joseph	Southwell, Robert
McLesky, W. J.	Spillane, Thomas
Madden, Dorothy	Stafford, John, Jr.
Martin, Bruce	Stapleton, Walter D.
Martin, Frank	Stephens, Dorothy
Mathews, Frank, Jr.	Stephens, Jack
Mathews, James	Stewart, William
Maulden, Barquell	Street, William
Maxwell, Mattie	Strozier, Betty
Meeks, Mrs. W. T.	Swartz, Theda

EVENING SCHOOL STUDENTS

Tally, James
Taylor, Louise
Thomas, Miriam
Thompson, Henry
Tootle, Betty
Tullis, Lillian
Turner, Gloria
Turner, Morton, Jr.
Usher, Rose
Vaden, Maude
Waite, George
Warren, Elizabeth
Way, Laura

Wheelor, Elmor
White, John, Jr.
Wieters, Charles
Williams, Ernestine
Williams, Mrs. R. P.
Winter, Albert Charles
Winter, Donald
Wisiackas, Justian
Wolfe, Mrs. John Saxton
Worrill, Cornelia
Wright, John
Zahler, Jessie



ARMSTRONG JUNIOR COLLEGE

The Municipal College of Savannah, Georgia

BULLETIN

1948



1949

Ref
378.02
A 735
V 13

Volume XIII

Number 1

For Reference

Not to be taken from this room

1948 - 1949

SUMMER

FALL

WINTER

SPRING

Bulletin of

Armstrong Junior College

The Municipal College
of Savannah, Georgia



18340

Membership in

American Association of Junior Colleges
Southern Association of Colleges and Secondary Schools
Association of Georgia Colleges

Volume XIII

Number 1

ARMSTRONG COLLEGE
LIBRARY



*"Education is a companion which no misfortune
can depress—no crime destroy—no enemy alienate -
no despotism enslave. At home, a friend; abroad,
an introduction; in solitude, a solace; and in
society, an ornament."*



ARMSTRONG JUNIOR COLLEGE

ACADEMIC CALENDAR

1948 - 1949

SUMMER QUARTER

Registration	June 11
Classes begin, First Session	June 14
Holiday	July 5
Examinations	July 23
Classes begin, Second Session	July 26
Examinations	August 31

FALL QUARTER

Testing Program for Prospective Freshmen	September 2, 3
Individual Counseling	September 13-17
Upper Classmen Registration	September 20
Freshmen Registration	September 21
Classes begin	September 22
Mid-Term Reports Due	November 5
Thanksgiving Holidays	November 25-28
Registration for Winter Quarter	December 8-10
Examinations	December 15-17
Homecoming	December 20
Christmas Holidays	December 18—January 2

WINTER QUARTER

Registration of New Students	December 31
Classes begin	January 3
Mid-Term Reports Due	February 11
Registration for Spring Quarter	March 7-9
Examinations	March 14-16

SPRING QUARTER

Registration for New Students	March 18
Classes begin	March 21
Mid-Term Reports Due	April 29
Examinations	May 31—June 2
President's Reception	June 3
Sophomore-Alumni Luncheon	June 4
Graduation Exercises	June 6



Administration

THE COLLEGE COMMISSION

HERSCHEL V. JENKINS	<i>Chairman</i>
WILLIAM MURPHY	<i>Vice-Chairman</i>
MORRIS BERNSTEIN	JOHN G. KENNEDY, <i>Ex Officio</i>
GORDON C. CARSON, <i>Ex Officio</i>	MRS. WILLIAM F. ROBERTSON
H. HANSELL HILLYER, <i>Ex Officio</i>	FRED L. SHEAROUSE
JAMES P. HOULIHAN, <i>Ex Officio</i>	ORMOND B. STRONG, <i>Ex Officio</i>
FRED WESSELS	

THE FACULTY

FOREMAN M. HAWES, A.B., M.S.	<i>President</i>
ARTHUR M. GIGNILLIAT, A.B., M.A.	<i>Registrar</i>
W. ORSON BEECHER, A.B., M.A.	<i>Dean of Students</i>
WILLIAM B. BAKER, A.B., Emory University; Colleague of the American Guild of Organists.	

Instructor in English and Music

W. ORSON BEECHER, A.B. and M.A., Emory University; M.A. University of Georgia.	
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Instructor in Social Sciences

FRANCIS M. BRANNEN, B.S. in Chemical Engineering, Georgia School of Technology; Graduate study in Ch. E., Georgia School of Technology. Chemical engineer, Coca-Cola Company; Consulting engineer.	
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Instructor in Engineering

ARTHUR M. CASPER, B.S., Beloit College; Graduate study, University of Wisconsin. Optics dept., Central Scientific Company & Prefex Corporation, radar mechanic.	
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Instructor in Physics and Mathematics

ELIZABETH COLSON, A.B., Georgia State College for Women; Graduate study, Emory University Library School.	
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Librarian

FRETWELL G. CRIDER, B.S. in Chemistry, University of North Carolina.	
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Instructor in Chemistry

MARIE LYONS CRIDER, B.A., Vanderbilt University.	
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Assistant Registrar

WILLIAM M. DABNEY, A.B. and M.A., University of Virginia.

Instructor in History and Political Science

ANNE S. ALLEN DAVIS, A.B., Brenau College.

Library Assistant

HARRIET G. DAVIS, A.B., University of North Carolina.

Publicity

ELEANOR J. DOYLE, B.S., Immaculate College; M.A., Catholic University of America.

Instructor in Spanish and Latin American History

MARTHA BOZEMAN FAY, B.A., Rockford College; M.S. and Ph.D., University of Illinois.

Instructor in Biology

ARTHUR M. GIGNILLIAT, A.B. and M.A., University of Georgia.

Instructor in English

NOMA LEE GOODWIN, A.B., Duke University; M.A., Duke University.

Instructor in English

JOSEPH I. KILLORIN, A.B., St. Johns College.

Instructor in German and History

MARGARET SPENCER LUBS, B. Mus., Converse College; A.B., University of Georgia; M.A., Columbia University; Studied at the Sorbonne in Paris, France.

Instructor in French

GEORGE B. MILLER, JR., B.S. in A.E., Georgia School of Technology. Aircraft flight test officer, U. S. Navy; Aerodynamicist, Consolidated Vultee Aircraft Corporation.

Instructor in Mathematics and Engineering

CHRISTINE WILSON MINNIX, A.B., University of Chattanooga; Graduate study, University of Tennessee.

Instructor in Physical Education

MARJORIE A. MOSLEY, Associate in Finance and Commerce, Armstrong Junior College.

Secretary

HINCKLEY MURPHY, B.A., Vanderbilt University; Graduate study, Columbia University, University of Georgia.

Instructor in English

MARGARET PERSSE, Associate in Liberal Arts, Armstrong Junior College.

Treasurer

WILLIAM S. POLLITZER, A.B. and M.A., Emory University.

Instructor in Biology

JAMES HOLMES SCARBOROUGH, B.S.E.E., Emory University; Graduate study, Emory University and Harvard University. Test and research engineer, General Electric Company; production engineer, Pan-electronics Laboratory.

Instructor in Physics and Mathematics

Director of the Evening School

MARGARET FORTSON STEPHENS, A.B., University of Georgia; LL.B., University of Georgia; M.A., University of Georgia; Certificate from the Sorbonne, Paris, France.

Instructor in English

CARLSON R. THOMAS, B.A., University of Richmond; M.A., University of North Carolina; Graduate study, University of Iowa.

Director of Savannah Playhouse

DOROTHY M. THOMPSON, A.B., Monmouth College; Social Work, Milwaukee School of Social Work; M.A., Northwestern University; Certificate of Psychiatric Social Work, Western Reserve University.

Instructor in Psychology and Sociology

CARMEN TORRIE, B.S. in P.E., Concord College; M.S. in P.E., University of Tennessee.

Director of Athletics and Instructor in Physical Education

DUKE C. TREXLER, B.S., Georgetown University.

Instructor in Business Law and Economics

CHARLES B. VAIL, B.S., Birmingham Southern College; M.S., Emory University.

Instructor in Chemistry

HELEN C. WOLFE, B.S., Columbia University; Graduate Study, Teachers College, Columbia University.

Instructor in Home Economics

GLADYS NICHOLS ZILCH, Special Course in Typewriting and Shorthand; University of Michigan and University of Florida. Diploma from the Gregg College (Normal School) in Chicago.

Instructor in Commerce



Entrance to the Armstrong Building

History, Organization and Aims

HISTORY

On May 27, 1935, the Board of Aldermen of the City of Savannah met a long-felt need by establishing a municipally supported junior college. The college was housed in the magnificent home of the late George F. Armstrong, the gift to the city of his widow and daughter. This former home, now the Armstrong Building, is of Italian Renaissance architecture; inside and outside it is one of the most beautiful college buildings in the South.

Over the years, through private donation and through public appropriation, the campus has been enlarged until now it includes four additional buildings: the Lane Building, in which the library is housed, a gift of the late Mills B. Lane, prominent banker; the John W. Hunt Memorial Building in which are located the Veterans' Guidance Center, the Home Economics Department, the Women's Lounge, and the Music Room; Herschel V. Jenkins Hall, which contains the auditorium, theater for the Savannah Playhouse, and classrooms; and Thomas Gamble Hall, site of science lecture room and well-equipped laboratories.

Three of the buildings face Forsyth Park, consisting of forty acres, the most beautiful park in the city. The other two buildings face Monterey Square, one of the carefully planned squares for which Savannah is deservedly famous.

The Georgia Historical Society Library, to which the students have access, is just across Whitaker Street from the college buildings.

The college is under the control of a commission of six members, appointed by the Mayor. In addition, the commission includes as ex-officio members the Mayor, the Chairman of the Chatham County Board of Education, the Chairman of the County Commissioners, the Superintendent of the Board of Education, and the President of the Savannah Chamber of Commerce.

Except for the war years, enrollment has shown a steady increase until the present student body numbers approximately five hundred. As need arises, the curriculum is enlarged and modified to meet new demands.

As a municipal college, Armstrong seeks to serve Savannah and the community by giving to the men and women who attend its classes an understanding of the world in which they live and an appreciation of the best that has been achieved in western civilization. Its graduates are equipped to continue their studies in the junior

class of a senior college; but for those who do not desire to pursue their work elsewhere, terminal work is offered. For both groups of students, the college attempts to provide a broad conception of the world and its problems and a keen realization of the duties and responsibilities of citizenship.

LIBRARY

On Gaston Street immediately west of Jenkins Hall is the college library, the Lane Building, which bears the name of the donor, the late Mills B. Lane. Two beautiful and well lighted reading rooms are on the main floor, the first room housing general and special encyclopedias, dictionaries, yearbooks and other standard reference works; the second, fiction and college catalogs. There is additional space for study on the two floors above and in the lounge on the ground floor. The stacks, on second floor, are open to the students; and the lecture room, on the top floor, is used for special classes, study and conferences. The library lounge, which houses all current periodicals, is of special interest to clubs and students who enjoy recreational reading and informal discussions.

At present the library houses over 6,000 bound volumes. Recent emphasis has been placed on the acquisition of psychology, English, history and science. The library subscribes to seven newspapers, four of which are dailies, and over 100 magazines. There is a pamphlet file and collection of college catalogs, the latter being very helpful to veterans as well as other students.

In addition to the resources of the college library, students are invited to use the Savannah Public Library. The main building on Bull Street has a union catalog listing the holdings of its branches; namely, The Downtown Branch on Bay Street and the Georgia Historical Society, which is diagonally across the street from the Armstrong Library.

The library is fortunate in being the recipient of a large and outstanding collection of history books, a gift of the late Thomas Gamble, Mayor of Savannah.

Under the supervision of a trained librarian, an assistant librarian, and six student assistants, the library is open each school day from 8:30 until 5:30.

LABORATORIES

The college has completely equipped laboratories in physics, chem-

istry, biology, home economics, engineering drawing, and surveying. In addition, one or more of the classrooms in each of the college buildings is equipped with a screen and a portable sound motion picture projector. The college is building a permanent library of frequently used films and obtains, on a rental basis, those films which are used less frequently.

SCHOLARSHIPS AND LOANS

The following scholarships and loans are available for deserving students; application blanks may be secured by a request addressed to the President of Armstrong Junior College.

1. The Arthur Lucas Scholarships, \$100.00 each.
Four or more will be available for 1948-49. These scholarships are provided by the income from the Arthur Lucas Scholarship Fund of \$25,000.00.
2. The John Helm Maclean Memorial Scholarship, \$100.00.
One will be available for 1948-49.
3. American Business Club of Savannah Scholarships, \$200.00 each.
Two will be available for 1948-49. The George E. Reid Memorial Scholarship for Girls. The Joseph M. Smith Memorial Scholarship for Boys.

These two scholarships are for the full two-year course at Armstrong. Eligible to compete are boys and girls entering the Freshman year at College. Winners will be announced following an interview of all applicants by a scholarship board. Especially urged to apply for these scholarships are men and women who have shown good progress in high school and who need financial assistance.

4. The Beta Sigma Phi Loan Fund, \$100.00.
One for 1948-49.
5. Commission Scholarships, \$100.00 each.
Eight are available for 1948-49.
These are work scholarships and students who hold them are expected to serve as library, laboratory, or clerical assistants.
6. Junior Chamber of Commerce Scholarships, \$100.00 each.
Three for 1948-49.
The Reese N. Burks Scholarship.
The Edward H. Carmichael Scholarship.

- The Martin G. Kirschbaum Scholarship.
7. The Pilot Club Loan Fund, \$100.00.
One for 1948-49.
 8. Savannah Gas Company Home Economics Scholarships.
Three for 1948-49.
The James Alfred Pearce Crisfield Scholarship, \$100.00.
The General Jeremy Francis Gilmer Scholarship, \$100.00.
The Mary Weaver McClaren Scholarship, \$200.00 plus textbooks.
 9. Savannah Gas Company Engineering Scholarships.
Two for 1948-49. Value: \$100.00.
Savannah Gas Company Scholarship to Georgia Tech, \$300.00.
Open to any male who completes three-quarters of freshman engineering at Armstrong Junior College.
 10. The Dan Lavender Patterson Memorial Scholarship, \$100.00.
One for 1948-49. Open to any engineering student.

APPLICATIONS FOR SCHOLARSHIPS

Applications for scholarships or loans must be on file in the President's office at Armstrong Junior College by August 1, 1948.

Detailed information may be obtained by calling 2-1197 or by writing to the college.

Tuition for residents of Chatham County is \$150.00 for a nine-months term.

ARMSTRONG GUIDANCE CENTER

In December, 1945, the Veterans' Guidance Center began operation. A joint undertaking between the United States Government and the College, it employs a full-time staff of professionally trained personnel to help veterans with their educational, vocational, and personal adjustment problems. The Armstrong Guidance Center is one of five Federal contract guidance clinics in the State of Georgia and serves a territory including 38 counties. By the Spring of 1948 approximately 3,000 veterans had taken advantage of this comprehensive testing and counseling program. The services of the guidance center (which include testing of mental ability, special aptitudes, school achievement, interest pattern, and personality adjustment) are

available, without expense, to all men and women who served in the U. S. Armed Forces during World War II. This service is also available without expense to any Armstrong student who is recommended by the Faculty Counseling Committee as being seriously interested in comprehensive advisement.

Since September, 1946, the Armstrong Guidance Center, in addition to the activities mentioned above, has carried on an extended program which includes testing children and serving other non-veteran clients from the community-at-large on a "private" clinic, fee basis. The Georgia State Department of Education has approved Armstrong as a Testing Center for the American Council on Education, and the Graduate Record Office in New York City has designated the Armstrong guidance unit as an Examination Center for their nation-wide testing program which includes the Graduate Record Examination (for admission to graduate and professional schools), the Professional Aptitude Test (for admission to participating member institutions of the American Association of Medical Colleges), and the Pre-Engineering Inventory. Also, personnel managers from local industry refer job applicants for psychological testing as a part of employee selection procedures.

Children examined at the Guidance Center have been referred by the City-County Health Department, Family Service, Department of Public Welfare, Juvenile Court, Jewish Educational Alliance, Bethesda Home for Boys, Children's Home of Chatham County, Gould Home, Savannah Home for Girls, Episcopal Home, private physicians (psychiatrists and pediatricians), public and private school officials. A recent addition to the facilities of the Guidance Center is a "play room," which promises substantial value as a diagnostic supplement and therapeutic aid in working with childhood adjustment problems.

Approximately 200 non-veteran clients have been through the Armstrong Guidance Center at the date of this printing. The guidance center is fortunate in having a close working relationship with two psychiatrists, both of whom have their offices in the same block within two or three doors of the college.

The Mental Hygiene Society of Savannah has taken as its major objective the task of recruiting support for a permanent community psychological service that would continue and expand the services initiated by the veterans' clinic at Armstrong.

The Center at present occupies quarters on the ground floor of the Hunt Memorial Building, with a main entrance on Bull Street. The following is a list of the Armstrong Staff employed in this service:

L. ROSS CUMMINS, B.S., Yale University; Graduate Study, University of Connecticut (Intern Psychologist, Norwich, Conn., State Hospital).

Director of the Guidance Center

WILLIAM E. HOPKE, A.B. and M.A., New York State Teachers College (Albany).

Senior Counselor

LOUISE FLEMING, A.B. and M.A., Ohio State University.

Psychological Examiner and Counselor

FRANCES B. SETTLE, A.B., University of Georgia.

Counselor

SARAH M. THORPE, A.B., University of Georgia.

Psychological Examiner

DIXIE C. MARKS, Commercial Course, Armstrong Junior College.

Secretary

MARTHA D. GREGSON, Commercial Course, Armstrong Junior College.

Secretarial Assistant and Psychometric Clerk

ENDOWMENT FUND

Inaugurated in 1944 with contributions from some fifty members of the Alumni Association, Armstrong's Endowment Fund was greatly increased by a gift from the Savannah *Morning News*. The College expresses sincere appreciation for these contributions.

BOARD AND LODGING

There is no plan for group board and lodging. Individuals make their own arrangements; but a list of homes seeking student boarders is kept in the office of the Secretary to the President.

Out-of-town students are referred to the local Young Men's and Young Women's Christian Associations, whose dormitories are conveniently located to the college. Prices for room and board at these two organizations are typical of those in this region.

EMPLOYMENT OPPORTUNITIES

In School: A student seeking temporary or part-time work while

in attendance should register with the President, making a statement as to his experience and abilities. At the same time, a student should indicate the type of employment most desired. The college in this way may help the student get the type of work most helpful to him as work experience, in addition to assisting him with his current expenses. Records concerning each student and the quality of his work becomes a part of his permanent file, the information to be used in determining recommendations for the student in cases of permanent employment both before and after leaving college.

Out of School: The college maintains a Placement Service open to all registrants at Armstrong Junior College. Every student wishing assistance in finding a position is urged to register with the Instructor in Charge of Commercial Subjects. While no guarantee of employment can be made, the placement supervisor will help the qualified student find suitable work.

THE EVENING COLLEGE

To adults interested in advancing their education and information, Armstrong Junior College offers classes in varied subjects. Most of the classes carry full college credit to those students properly qualified; for others, no specific entrance qualifications other than an interest in learning are required.

Persons interested should write for a separate bulletin outlining courses, etc.

ADULT STUDENTS

All regular day or credit classes are open to adults who wish to attend as SPECIAL students. If college credit is desired, such students must meet the entrance requirements for regular students. Exemption from physical education requirements may be secured by petitioning the faculty.

STUDENT CONDUCT

Armstrong students conduct themselves as ladies and gentlemen. Personal honor and respect for the rights of others is our standard.

The following is quoted from the minutes of the College Commission for the students' information:

"Hazing in all forms is prohibited at Armstrong Junior College.

Drinking alcoholic beverages and gambling on college property is prohibited.

Violation of these or any other regulations will subject the students to disciplinary action by the faculty which may mean the expulsion of the offender or offenders from the college."

Organizations and groups using the name of the college in their social and other functions are identified with the college and become subject to the same high standards of conduct and of supervision whether on or off the campus. The reputation of Armstrong is in the hands of its students.

The act of registration at Armstrong Junior College constitutes an agreement by the student to abide by the regulations as outlined in this catalog, or promulgated by the college commission, the faculty, and the student body.

COMMENCEMENT EXERCISES

Commencement exercises are held once each year in June. At this time the degrees of "Associate in Liberal Arts," "Associate in Home Economics," etc., are received by those who have completed the requirements for graduating. Recognition is given those who win scholarships and those qualifying for scholastic honors. The Faculty and Students participate in full academic dress.



Luncheon is served for home economics students who have prepared it



A scene from *Pierre Patelin*, presented by the Savannah Playhouse

Student Activities

With a firm belief in the developmental function of individual or concerted group expression, Armstrong Junior College has made student activities an integral part of its program, with participation in one or more of its organizations expected of every student. At the end of each college year, at the Alumni Luncheon in June, those students who have taken part to an outstanding extent in college activities throughout the year are awarded a silver "A". A point system gauging leadership, activity, and ability, determines who shall be the recipients of these awards.

ATHLETICS

The college stresses an athletic program to develop qualities of sportsmanship and to further the aims of the required physical education curriculum.

INTER-COLLEGIATE SPORTS

The college engages in competitive sports with other junior colleges and comparable teams. Basketball is the major sport. Other inter-collegiate sports include golf, tennis, and swimming.

THE INTRAMURAL PROGRAM

The intramural program provides a variety of activities that will appeal to the students and bring about their active participation, now and in later life, in games and sports that are physically wholesome, mentally stimulating, and socially sound. We expect our program to employ a part of the student's leisure time in physical activity and to be a contributing factor to the social success of his school life. The program also provides opportunity for every student to participate in competitive athletics. It is organized as a phase of the physical education program.

The program is administered by an Intramural Board which is composed of the Director of Physical Education, student managers, and a representative from each independent social club, of which at present there are four: The Loafers, Gators, Terrapins and Eager Beavers.

The organization earning the highest number of points during the school year shall have its name placed on the Intramural Plaque, which is located in the lobby of the Armstrong Building.

BETA LAMBDA

The Home Economics Department maintains a club which meets monthly for discussion of current problems. In addition to its regular scheduled meetings, the club is frequently responsible for the preparation and serving of refreshments at teas, dances, and receptions. In the decoration of student lounge rooms and a home economics classroom for art courses, practical experience is obtained in the purchase of furnishings, and in their effective arrangement and use.

ENGINEERING SOCIETY

The Armstrong Engineering Society, youngest organization in the student activities program, was organized in the winter of 1947-8 to furnish the student engineer with a connection between his academic training and the practical field of engineering by securing guest speakers from various fields of engineering, planning field trips to local industries, and obtaining motion pictures about practical engineering projects.

HOMECOMING

Early in the Christmas holiday season, the College holds the annual Homecoming Reception to which all students and alumni are invited.

MUSIC CLUB

The Music Club meets twice each month for programs of classical recorded music. Varied and well-balanced programs of symphony and chamber music are arranged, and occasionally music of a lighter vein is included. Before each concert in the city, the Music Club presents the outstanding work announced for the concert, and in this manner serves to build up in its members a familiarity with classical music.

PUBLICATIONS

Students have responsibility for three Armstrong publications: The Mercury, a magazine; The Inkwell Bulletin, a college newspaper; and the Geechee, the college annual. Work on the Inkwell Bulletin, mimeographed weekly, provides opportunity for news reporting, feature writing, and expression of student opinion. Student editorial and business talent is developed on all publications. Participation in the preparation of the Geechee furnishes excellent

experience in photography, lay-out, and in organization generally. Here facility in handling and financing a publication is acquired and increased.

The Geechee Report is published by the Alumni Association. Its purpose is to keep the alumni informed of activities at the college and to help them keep in touch with other alumni.

RIDING CLUB

The Riding Club meets each Saturday morning for rides through the beautiful wooded bridle paths of local riding schools. Expert instruction in riding is given to all beginners, and supervision is provided at all times if desired. A small monthly fee is charged.

SAVANNAH PLAYHOUSE

The Savannah Playhouse of Armstrong Junior College is a community theater sponsored and directed by the college. Here students may gain actual experience in acting, productino, set design and construction, lighting, make-up and all the theater skills that make a good production.

Revived for the 1947-48 season after a five-year suspension of activity, the Playhouse quickly re-established its reputation as one of the leading amateur theaters in the South with a calendar of five dramatic productions.

My Sister Eileen, the Joseph Fields-Jerome Chodorov comedy hit, set the season off successfully and was followed by a Christmas-time production of Thornton Wilder's one-act play, *The Long Christmas Dinner*. Maxwell Anderson's poetic tragedy, *Winterset*, was the major production of the winter quarter and gained added prestige for the Playhouse. *Pierre Patelin*, a medieval French farce, was presented in March, and the season concluded with Oscar Wilde's great comedy of manners, *The Importance of Being Earnest*. The Playhouse also sponsored the appearance in Savannah of George Freedley, New York drama critic, who lectured on the current Broadway season.

Students may work with the Playhouse as an extracurricular activity or may earn college credit by taking the courses listed as Experimental Theater. Try-outs for roles in major dramatic productions are open to the public as well as students.

SORORITIES

There are two social sororities recognized by the college: Alpha Tau Beta and Delta Chi. Membership in these groups is by invitation.

THE STUDENT FORUM

The Student Forum meets twice each month for consideration of national, international and college topics which are of interest to the student membership. Discussions, debates and guest speakers make up its programs. The Student Forum usually sponsors a dance and a party during the year. The members of the Student Forum assist in many ways in making the Armstrong Forum a success. Membership is open to any student who wishes to join. An invitation is not necessary.

STUDENT SENATE

The Student Senate is composed of the following representatives: the president of the sophomore and freshman classes; the editor of the Inkwell; the editor of the Geechee; one representative from each organization recognized by the Senate; and two freshman representatives to be elected by the class one week after election of class officers. This group, which meets from time to time throughout the year, serves as the official student agency for co-ordinating college activities and for expressing student opinion.

VETERANS' SOCIAL CLUB

The youngest social club is the Veterans' Club, formed in April, 1946, and having over sixty members in April, 1947. The purpose of this group is primarily social, but projects to promote the welfare of the college are planned. This club sponsors at least one formal and three informal dances each school year, and a banquet each June.

Membership is open to all veterans of World War II who are enrolled as students at Armstrong Junior College.

ALUMNI ASSOCIATION

The Armstrong Alumni Association is composed of all former students of Armstrong. Each June the association meets with the sophomore graduating class for luncheon and at this time alumni officers for the coming year are elected.

The college publishes an alumni bulletin monthly, the *Geechee Report*, which is sent out to all alumni with news of their activities and happenings at the college. The Report helps to keep more than one thousand alumni in touch with each other and Armstrong.

Officers of the Armstrong Alumni Association for the year 1947-48 are:

SIEGVART J. ROBERTSON—President

FRANK CHEATHAM, JR.—Vice-President

MRS. JEANNE PATTERSON DABNEY—SECRETARY

MRS. MARIE LYONS CRIDER—Treasurer

ASSEMBLIES

Bi-weekly student assemblies are held in Jenkins Auditorium. Because the forums, speeches, etc., scheduled are regarded as a part of the whole educational program of the college, attendance is compulsory. Important announcements are made at the assemblies, and recognized student activities are described and encouraged.

One honor point is deducted on the student's permanent record card for each unexcused absence. The same number of honor points as quarter hours scheduled are required for graduation.



Biology students learn vertebrate constructions.

Registration

(For dates see calendar on page 1)

NEW STUDENTS

A student planning to enter the college should request an application blank entitled "Application for Admission Card." When this completed form is received by the Registrar, a check is made of the student's high school transcript. In the case of a transfer student, a check is made of his college transcript. A STUDENT PLANNING TO ENTER ARMSTRONG SHOULD REQUEST HIS HIGH SCHOOL PRINCIPAL OR THE COLLEGE REGISTRAR (in the case of a transfer student) TO SEND A TRANSCRIPT OF HIS CREDITS to the Registrar, Armstrong Junior College, Savannah, Georgia.

A student planning to enter on the basis of the General Educational Development tests should request the Registrar to arrange with the Guidance Center for the administration of the entrance examinations.

Having checked the student's records for compliance with the minimum requirements for admission, the Registrar will send a notice to the student that he has been admitted to the college, together with certain physical examination forms which must be completed and returned before the student can complete registration. The applicant will also be notified of the dates of the next aptitude testing program. These tests will not affect a student's entering Armstrong, but will enable the counseling staff to assist him in selecting the proper program of studies upon entrance. STUDENTS ARE REQUIRED TO TAKE THESE TEST MEASUREMENTS BEFORE REGISTRATION. Members of the counseling staff are available by appointment to interview prospective students at any time throughout the year.

ADMISSION BY CERTIFICATE

1. A candidate for admission to Armstrong Junior College must be a graduate of an accredited high school with sixteen units of credit.
2. No subject-matter units are prescribed. The high school program should be of such nature as to give satisfactory preparation for beginning college studies. Subjects which may be expected to contribute to this end are English composition, literature, natural

science, history and other social studies, foreign languages, and mathematics. The right is reserved to reject any applicant whose high school program does not indicate adequate preparation for college work.

A record of high school credits earned by the applicant should be made out on the proper forms by an official of the high school and mailed directly to the office of the registrar. This certificate becomes the property of the Junior College and cannot be returned to the applicant.

3. Three units in mathematics and one unit in physics or its equivalent is a prerequisite for admission to the freshman class in engineering.

ADMISSION BY EXAMINATION

Students who do not meet the above requirements for admission by certificate may take entrance examinations prescribed by the College. A fee of two dollars is charged for each examination taken. Entrance examinations must be completed at least one week before registration. Additional information may be secured from the Registrar.

ADMISSION TO ADVANCED STUDENTS

Advanced credit will be allowed for work done in other institutions of proper rank and standing and for schools and experiences in the Armed Services. All work presented for advanced standing will be evaluated by the Registrar. To receive a diploma from Armstrong College, a student must be in attendance the two quarters preceding graduation, taking a normal load, and in addition, must satisfy all the requirements of a particular course of study. Adults (students over 20 years of age) may receive credit for certain college work on the basis of the General Educational Development Tests at the junior college level.

ADMISSION OF VETERANS OF WORLD WAR II

In accordance with the recommendations of the State Department of Education that local high schools give diplomas to veterans who have completed four or more units of high school work in the local high schools and who make certain scores on each of the G.E.D. tests, Armstrong Junior College will accept veterans whose official test records show scores that indicate the applicant's capability to do college work.

TRANSCRIPTS OF CREDITS

Each student is entitled to one official transcript of his college work. The charge for additional copies is \$1.00 each. Requests for transcripts are complied with promptly when received in the Registrar's office. Request must be made in writing.

REPORTS AND GRADES

It is felt by Armstrong Junior College that students in college should be held accountable for their own scholarship. Accordingly, report cards, warnings of deficient scholarship, and other such notices are not sent out to parents or guardians by the college except by request. Instead, the students themselves receive these reports and are expected to contact the counseling staff whenever their work is unsatisfactory. Report cards are issued at the end of each quarter. Warnings are issued in the middle of each quarter. Each student has access to the counseling staff, made up of faculty members for purposes of advisement; and in addition, the Registrar, Dean of Students, and all instructors are ever ready to help and advise any student seeking counsel.

Reports are based on the following system of grading:

A plus	Exceptional	4 honor points per quarter hour
A	Excellent	3 honor points per quarter hour
B plus	Very good	2 honor points per quarter hour
B	Good	2 honor points per quarter hour
C plus	Average	1 honor point per quarter hour
C	Fair	1 honor point per quarter hour
D plus	Poor	No honor points per quarter hour
D	Very poor	No honor points per quarter hour
E	Conditional failure	Condition must be removed during following quarter
F	Failure	Course must be repeated
W	Withdrew	
WF	Withdrew failing	

An E (conditional failure) may be removed by means stipulated by the instructor of the course in which the student received the grade E. An E not removed in the succeeding quarter automatically becomes an F. If a course in which an E grade was received is repeated an F will be entered in the place of the E for the first time the course was taken.

GRADUATION

In order to graduate, a student must complete one of the programs of study outlined in the catalog with an average of one honor point for each hour scheduled. Students lacking 10 quarter hours of work or less for graduation may complete these hours at an accredited senior college and receive a diploma from Armstrong Junior College upon application, furnishing the college with a transcript of the completed work.

NORMAL SCHEDULE

The unit of work for a regular student is about 15-18 quarter hours per quarter. A normal schedule of sixteen quarter hours presupposes that the average student will devote approximately forty-eight hours per week to his college classes and to his preparation therefor.

Permission to enroll for more than 17 quarter hours is granted when curricular requirements make such action necessary, or when evidence as to the capacity of the student seems to justify that the privilege be granted.

Should a student's work load fall below the normal schedule, the student's parent or guardian (in case of veterans attending school under Public Laws 16 and 346, the Veterans Administration) will be notified.

A student may drop a course at any time during the first five weeks of the quarter without incurring the penalty of a grade of "F"—Failed. If for a legitimate reason he is allowed to drop a course after that, a W (withdrawn) will be entered on his permanent record. Otherwise, the grade W/F is entered. No withdrawal from a course is official unless a prescribed form secured from the registrar's office is completed and returned.

EXPLANATION OF COURSE CREDIT

A lecture course carries with it a credit of one quarter hour for each hour it meets during the week throughout one quarter. A course running five hours a week for one quarter carries 5 quarter hours, or 3 $\frac{1}{3}$ semester hours credit. Laboratory courses, as a rule, allow one half quarter-hour credit for each hour of lab during the week.

WITHDRAWALS

A formal withdrawal, presented in writing, is a prerequisite for honorable dismissal from, or re-entrance into, this institution. Any student planning to withdraw should immediately make such intentions known to the administration of the school in writing. This notice is required to receive any authorized refunds.

DISMISSALS AND PERMISSION TO RE-REGISTER

Any student failing (except in cases excused before examinations on account of illness) to pass at least one course other than physical education in any one quarter will be dropped from the rolls of the college. Any student who fails to make an average of at least twenty honor points during the first three quarters work at the Junior College will not be allowed to re-register. Withdrawal is recommended to all students who have less than a "C" average at the end of the fourth quarter of college work. At the end of the sixth quarter's work a student must have sixty honor points in order to re-register.

FEES AND REFUNDS

Fees will be charged according to the student's load in quarter hours. A normal load is 16 to 17 quarter hours each term or quarter.

Fees for residents of Chatham County	Fees for other resi- dents of Georgia	Fees for non-resi- dents of Georgia
5 quarter hours.....\$22.00	\$26.00	\$33.00
10 quarter hours..... 36.00	 43.00	 54.00
14-18 quarter hours..... 50.00	 60.00	 75.00

A student who was on the Dean's List the preceding quarter may take in excess of the normal load upon payment of \$1.00 per quarter hour for the extra course. If for any reason other students are permitted to take work in excess of the normal load, the charge will be \$2.00 for each quarter hour of the extra course.

Students taking laboratory work will be required to pay a fee for materials and equipment. This fee is indicated in the description of courses found under "Course Descriptions" elsewhere in this bulletin.

A student activity-athletic fee of \$4.00 per quarter will be charged all students. This fee will entitle the student to subscriptions to the Geechee, the college annual, and other college publications, and to admission to college-sponsored dances, Playhouse, and athletic events.

Anyone wishing to audit a course (but not to receive college credit) may do so with permission of the instructor by paying a fee of \$10.00 per course.

A late registration fee of \$2.00 will be charged any student who fails to register and pay fees on the day designated for registration at the beginning of each quarter unless he presents a doctor's excuse.

Fees will be returned to students withdrawing during the first three days of any quarter. Anyone withdrawing thereafter during the first thirty days of a quarter will receive a refund of one-half of the registration fee. The approval of the Registrar is required of any student desiring a refund for withdrawal. No refund will be made to students dropping a course.

Any student delinquent in the payment of any fees due the college will have grade reports and transcripts of records held up, and will not be allowed to re-register at the college for a new quarter until the delinquency has been removed.

A fee of \$5.00 will be collected from each candidate for graduation to cover cost of invitations, diploma, and rental of cap and gown.

HONORS

Students who have been in attendance for three consecutive quarters, who have achieved an average of "B" or better, and who have no grades below that of "C" will be placed on a Permanent Dean's List in a book for that purpose kept in the office of the President. The college will publish a Permanent Dean's List at the end of each academic year.

Students who maintain a grade of "B" or better in each course during a quarter will be placed on the Dean's Scholastic Attainment List.

The designation *summa cum laude* (with highest distinction) will be bestowed upon those graduating with an average of 3 honor points per quarter hour.

The designation *cum laude* (with distinction) will be bestowed upon those with an average of 2 honor points per quarter hour.

A valedictorian will be elected by the graduating class from among the five students with the highest scholastic average in the work completed before the term in which the students graduate.

FRESHMAN WEEK

Students wishing to enter Armstrong Junior College must submit a completed physical examination form which will be furnished the applicant when accepted.

Freshmen must also have taken certain interest, aptitude, and achievement tests to register. These tests will be administered at the college September 2-3, 1948. Applicants will be notified when and where to report. The results of these tests will be used in counseling entering students, September 13-17, and will save them time and trouble in selecting programs of study.

Freshmen will report to the auditorium of Jenkins Hall at nine o'clock, Tuesday morning, September 21, and will be registered in the order in which they completed their entrance tests. **SEND IN APPLICATION BLANKS EARLY.**

An orientation program is set up (a) to acquaint students with the problems that arise in college and to inform them of the type of study needed to use their advantages wisely; (b) to explain the different curricula; (c) to describe the physical layout of the college, and the extra-curricula activities at the college.

HOW TO MAKE OUT A PROGRAM

1. The student should decide what he is going to prepare for, after full discussion and consideration of his interests and qualifications with parents and friends who can help him, and after interviews with members of the faculty and the guidance staff. Especially trained personnel comprising the guidance staff will make an appointment with the student during his first quarter here. Together with this counselor, he will work out a tentative list of the subjects to be taken during each of the quarters he plans to be at Armstrong. This list will be kept for future reference so that he may build his program each quarter with a definite goal in mind. It is necessary to work out such a program in order to graduate.

2. If the student changes his objective and wishes to change his program of study, he will report this fact to the counseling staff.

If completion of his training involves going to another school after he leaves Armstrong, the following steps are advisable:

- a. Secure the college's catalog and see what courses must be completed at Armstrong to meet the degree requirements at the senior college.

- b. Schedule the prerequisites for the courses to be taken later.
- c. Make a list of the subjects to be taken at Armstrong Junior College for each of the quarters before transferring, and be sure it includes all of the courses required for junior class standing.

ADVISERS ARE COUNSELORS AND FRIENDS

No student should attempt to plan his course without consulting the bulletins of information issued by the various state colleges, universities and departments of universities. Every university, college or department has its own particular and specific requirements for entering regular third year work; and unless the student is most careful in his selection of subjects during the first year, he will inevitably lose time, a feature which is entirely unnecessary if the student enters the junior college with a full knowledge of University requirements.

Likewise, there are specific requirements for all sorts of jobs and positions, and unless the student has satisfactorily fulfilled them, the jobs will not be open to him. The student should not try to select courses without consultation with an adviser. It is not fair to him or to the college.

Since the counselor is the individual to whom requests for personal recommendations are referred, the student is urged to acquaint the counselor with his whole program, including the entire scope of his activities, hopes and aspirations, as well as his program of studies. Practically all reliable enterprises now require personal recommendations as well as academic ratings. The officials of the school can assist many to be placed in schools, industry or business when they can give a full and complete account of the student's personal as well as academic qualifications. To this end certain teachers are asked to file two-to-five word summary statements for each of their students, to be used in the formulation of the recommendations which may later be required. Such qualities as honesty, neatness, punctuality, loyalty, industry, dependability, ability to get along with others, etc., are of paramount importance.

RECOMMENDATIONS

The recommendations issued by the junior college are written in terms of the grades the student earns, and what his teachers think of him as expressed by them at the close of his work in each class in a written report to the Registrar. These reports are a part of

his permanent record. They correspond to employers' records of employees.

ATTENDANCE

Students are required to attend classes as scheduled. Any absence, whatsoever, from classwork entails a loss to the student. No absence is excused except for personal sickness, serious illness in the family, or other urgent reasons accepted by the college faculty. *FOR EACH UNEXCUSED ABSENCE, IN EXCESS OF THE NUMBER OF CREDIT HOURS IN THE COURSE*, the student will be penalized one honor point. The total number of honor points deducted for any one course will not exceed the credit hours in the course. It is the responsibility of the student to give the instructor his excuse for each absence. Special departmental regulations may be applied for laboratory courses. It is the responsibility of the student further to arrange with his instructor to make up an announced quiz within a week of the date that quiz was given. At the discretion of the instructor a fee of \$2.00, payable to the Treasurer, will be charged. A student who arrives in class after the roll has been checked will be counted absent unless he presents the instructor with a satisfactory explanation of his tardiness.

A student who makes the Dean's List for two consecutive quarters will be exempt during the ensuing quarter from the regulations governing absences and will be exempt thereafter so long as he remains on the Dean's List. To the foregoing regulation there are to be the following exceptions: (a) The privilege of absence does not apply to requirements of attendance relative to written or laboratory work or to quizzes and examinations; (b) the privilege earned by the student shall be forfeited if that student is absent without excuse immediately before or immediately after holidays; (c) it is understood that the instructor in any course has the right to consider participation by the student in class discussion as a necessary part of the work upon which he bases the final grade. Thus, a student having honor roll privilege who absents himself more than the instructor thinks is reasonable for this purpose, may earn a lower grade, as a result of non-attendance, than would be shown by the examination grade alone.



At the drawing board an engineering student works out his design.

Course Requirements for Graduation

SUGGESTED CURRICULA

All curricula suggested here are subject to modifications. Last-minute adjustments will be made. Check "Description of courses" in this catalog and current schedule of classes for the quarter and hour subjects will be offered.

The curricula hereafter outlined are suggestive only. They may be materially changed by the student in conference with his adviser, who will assist him to build a course of study upon his own interests, abilities, and previous training in the light of his chosen objective. Students wishing to receive a 2-year diploma from Armstrong Junior College must schedule the core curriculum.

The purpose of these courses is to accomplish a well rounded two-year program in preparation for some specific occupation, or to enter some higher professional course.

Subjects are listed from 10 through 19, indicating work that is usually taken in the Freshman year and from 20 through 29 indicating subjects recommended for study in the Sophomore year.

THE CORE CURRICULUM

The following courses are required of all students desiring to complete a 2-year program of study for a degree from the junior college. One-year certificates are offered in certain terminal programs of study which do not require the core curriculum; e.g. the one-year certificate in stenography. **PLAN YOUR PROGRAM OF STUDY** with the counseling staff.

FIRST YEAR

<i>Subject</i>	<i>Quarter Hours</i>
English 11-12-13	9
History 11-12-13	9
Science (with lab)	10
Physical Education	3

SECOND YEAR

English 21-22-23	9
Physical Education	3
Total	43

SERVICE COURSES IN PHYSICAL EDUCATION

All freshmen and sophomores will be given periodical examinations. On this basis, they will be divided into two classes, class one and class two. Students in class one will be given special exercises suited to their individual needs. Students in class two will be assigned regular required and elective activities.

Service courses:

Physical Education 11-12-13 Required of all Freshmen.

Physical Education 21-22-28* Required of all Sophomores.

* Women substitute P.E. 26 or 27 for P.E. 22.

ASSOCIATE IN APPLIED ARTS

(Terminal)

This course is designed to meet the needs of those women who plan to complete their college education at Armstrong. It will give a background in typing and shorthand that is adequate for securing a position at the completion of the two-year program; and at the same time, the home economics courses included will be an invaluable aid in home-making and household management.

Including the core curriculum, the student will complete a total of 100 hours; the following are suggested:

<i>Subject</i>	<i>Quarter Hours</i>
Core Curriculum	43
Com. 11 a-b-c Typing	6
Com. 12 a-b-c Shorthand	15
Math 11 Basic Mathematics	3
Soc. 21 Marriage	5
*HE 21 Home Planning and Furnishing	5
*HE 12 Foods	5
*HE 11 Clothing	5
*HE 22 Nutrition Electives	5

* Other courses such as Child Development, Art Household Engineering, etc., may be substituted.

ASSOCIATE IN COMMERCE

(Terminal)

Upon completion of this program of study, the student should be able to fill competently the requirements of a secretary or book-

keeper in the modern business office. This curriculum was added as a result of the many requests received from employers for college students with secretarial training.

Including the core curriculum, the student for the two-year diploma should complete 100 quarter hours of work, selecting all the typing, shorthand, and accounting courses, and electives chiefly from the commercial field.

ONE-YEAR STENOGRAPHIC COURSE

A certificate (but not diploma) will be given students qualifying in the one-year stenographic course. A student who knows he has only one year to attend college may herein master the tools that will better enable him to earn a livelihood.

<i>Subject</i>	<i>Quarter Hours</i>
Com. 11 a-b-c Typing	6
Com. 12 a-b-c Shorthand	15
Com. 24-25-26 Accounting	15
Com. 17 Office Practice	3
Physical Education	3
Electives	10

ASSOCIATE IN ENGINEERING (Senior College Preparatory)

This program will satisfy degree requirements for the first two years of most types of engineering but should be varied for certain fields, such as chemical, electrical, and industrial management. The student should obtain a catalog from the senior college he plans to attend and have his adviser check his program with him against the catalog.

Chemical engineers should omit Engineering 21, 22, 23, 24, 26, and Economics 23 and substitute Chemistry 24, 25, and 26.

Students planning to major in Industrial Management should omit Engineering 21, 22, 23, 24, 26 and Economics 23 and substitute Commerce 24, 25 and 26.

Architectural engineering students should plan to continue their second year elsewhere.

FIRST YEAR

<i>Subject</i>	<i>Quarter Hours</i>
Mathematics 16-17-18	15
English 11-12-13	9
History 11-12-13	9
Chemistry 14-15	12
Engineering 11-12-13	9
Physical Education 11-12-13 . . .	3
Engineering 26	2

SECOND YEAR

Mathematics 21-22-23	15
English 21-22-23	9
Physics 21-22-23	18
Engineering 21-22-23	3
Engineering 24	3
Economics 23	4
Physical Education 21-22-23 . . .	3

ASSOCIATE IN HOME ECONOMICS

(Senior College Preparatory)

This program of study is preparatory for the junior class in the senior college. Home economics offers many vocational and professional opportunities for women in such varied fields as textiles, institutional management, nutrition, dress designing, household management, dietetics, child development and food research.

Armstrong has one of the best equipped Home Economics Departments in this part of the country and therefore can broaden the scope of its courses to meet the needs of many students.

Including the core curriculum, the student should complete 100 hours from the following courses:

<i>Subject</i>	<i>Quarter Hours</i>
Core Curriculum	43
Additional Science	10
HE 10 Survey of the Field . . .	2
HE 11 Clothing	5
HE 21 Home Furnishing	5
Art 11	5

Psy. 21 Elementary Psychology ..	5
Math 11 Basic Mathematics . . .	3
*HE Foods	5
*HE 24 Child Development . . .	5
*HE 25 Household Engineering . .	5
Soc. 21 Marriage	5
Electives	2

* HE 13, HE 15 or HE 22 may be substituted for one of these courses depending on the student's objective.

ASSOCIATE IN LIBERAL ARTS

(Senior College Preparatory)

This course, while cultural in content, also furnishes the first two years of the degree requirements for journalism, business administration, law, education, and majors in social studies, English, music, drama, or the foreign languages. Whether or not a student intends to continue his formal education, the liberal arts program of study increases his understanding of the world in which he lives and adds to his appreciation of it.

Including the core curriculum the student will select from the subjects below sufficient courses to complete a minimum of not less than 100 quarter hours for the two years.

<i>Subject</i>	<i>Quarter Hours</i>
Core Curriculum	43
Mathematics	9
Foreign Language	10
*Social Studies	15
Electives	

* The social studies include economics, education, history, political science, psychology, and sociology.

ASSOCIATE IN PHYSICAL EDUCATION

(Senior College Preparatory)

The Physical Education Department is qualified to provide the first two years of preparation for a major in the field of Health and Physical Education for those students planning to enter the field of Education or Supervised Recreation.

Each student planning to major in Health and Physical Education or Supervised Recreation should take certain courses.

Including the core curriculum, the student should complete 100 hours from the following courses:

<i>Subject</i>	<i>Quarter Hours</i>
Core Curriculum	43
Additional Science	10
Psy. 21 Elementary Psychology	5
Soc. 21 Elementary Sociology	5
Hygiene 11	3
HE 23 Nutrition	5
Math 11-12-13	9
Psy. 23 Child Psychology	5
*P.E. 23-24	3
Education 21	3
Electives	10

* Women will substitute P.E. 26, 27 or 29.

ASSOCIATE IN SCIENCES

(Senior College Preparatory)

Students planning to major in science, medicine, dentistry, pharmacy, or veterinary medicine, to be laboratory technicians, or to go into any scientific field should select the following program of studies.

This course is also recommended for students who wish to have deeper insight into the physical and natural world about them. Technological advances require one to have a broad foundation in the sciences if he is to understand common, everyday occurrences. Since we live in a scientific age, this course is also recommended as a terminal course.

Including the core curriculum the student should complete 100 hours from the following courses:

<i>Subject</i>	<i>Quarter Hours</i>
Core Curriculum	43
*Math 16-17-18	15
Chemistry 14-15	6
Biology 11-12	10
Chemistry 24—Qualitative Analysis	5
**Foreign Language	15
Electives	15

* Pred-med students may substitute electives for Math 17 and 18. Consult senior college requirements. Math 11-12-13 is acceptable.

** Pre-med students should take German or French.

Course Descriptions

GENERAL INFORMATION

Armstrong Junior College reserves the right to (1) withdraw any course for which less than ten students register, (2) limit the enrollment in any course or class section, (3) fix the time of meeting of all classes and sections, and (4) offer such additional courses as demand and staff personnel warrant.

After each course, the first number listed is the number of hours of lecture; the second, the number of hours of lab; and the third, the number of hours of quarter hour credit the course carries: e.g. 3-3-4 means 3 hours of class, 3 hours lab, 4 hours credit.

ART

(See Fine Arts)

BIOLOGY

Biology 11 – General Zoology (3-4-5). Fall and Winter. Laboratory fee, \$3.50.

Introduction to animal structure and function using a vertebrate for most of the laboratory work.

Biology 12 – General Zoology (3-4-5). Winter and Spring. Laboratory fee, \$3.50. Prerequisite, Biology 11.

Principles of Evolution and Genetics, and survey of the invertebrate phyla. Laboratory work on invertebrates.

Biology 22 – Invertebrate Zoology (3-6-6). Spring. Laboratory fee, \$5.00. Prerequisite, Biology 11 and 12.

A study of the structure and function of invertebrates. Field trips for studying animals and their natural habitats will be included.

Biology 23 – Comparative Vertebrate Anatomy (3-6-6). Fall. Laboratory fee, \$5.00. Prerequisite, Biology 11 and 12.

A study of the anatomy and evolution of the organ systems of the vertebrates.

CHEMISTRY

Chemistry 11 – Introductory General Chemistry (4-2-5). Winter. Laboratory fee, \$3.50.

This is an introductory course designed for the non-science students. A study of some of the elements and their compounds and a review of practical chemistry are included.

Chemistry 12 – Introductory General Chemistry (4-2-5). Spring. Laboratory fee, \$3.50.

A continuation of Chemistry 11.

Chemistry 14 – General Chemistry (5-3-6). Fall and Spring. Laboratory fee, \$3.50.

This is a course in general descriptive chemistry designed for engineering, science and pre-medical students. The fundamental laws, some elements and their compounds are studied.

Chemistry 15 – General Chemistry (5-3-6). Winter and Summer. Laboratory fee, \$3.50.

A continuation of Chemistry 14.

Chemistry 19 – History of Chemistry (3-0-3). Fall. Prerequisite, Chemistry, 12 or 15.

A brief survey of the history of chemistry from the ancient alchemists up to the present "atomic age."

Chemistry 24 – Qualitative Analysis (3-6-5). Fall. Laboratory fee, \$5.00. Prerequisite, Chemistry 15 and Mathematics 12 or 16.

The lectures include a study of the theoretical and fundamental principles of the subject, as well as a thorough study of the reactions of the more important ions. The laboratory work includes the systematic analysis for both anions and cations by a semi-micro scheme.

Chemistry 25 – Quantitative Analysis Volumetric (3-6-5). Winter. Laboratory fee, \$5.00. Prerequisite, Chemistry 24.

This is an elementary course in quantitative analysis using volumetric procedures.

Chemistry 26 – Quantitative Analysis, Gravimetric (3-6-5). Spring. Laboratory fee, \$5.00. Prerequisite, Chemistry 25.

This is an elementary course in quantitative analysis using gravimetric procedures.

Chemistry 28 – Industrial Chemistry Survey (2-3-3). Spring. Laboratory fee, \$1.50.

This is an elementary course in the industrial applications of chemistry. The topics studied will be followed by inspection trips to appropriate local industries wherever possible. These trips will constitute the laboratory.

COMMERCE

Commerce 11A – Beginning Typing (0-5-2). Fall. Laboratory fee, \$3.50.

This course consists of introductory instruction in the technical features and care of the machine, position, fingering, proper technique and mastery of the keyboard. An average speed of thirty words a minute is attained.

Commerce 11B – Intermediate Typing (0-5-2). Winter. Laboratory fee, \$3.50. Prerequisite, Commerce 11A or equivalent.

A typewriter course in which emphasis is placed on speed building and accuracy. Special typing problems such as business letters, minutes, notices, stencil cutting and carbon copies are stressed. An average speed of 40 words a minute is attained.

Commerce 11C – Intermediate Typing, continued (0-5-2). Spring. Laboratory fee, \$3.50. Prerequisite, Commerce 11A-11B or equivalent.

Continuation of Commerce 11B.

Commerce 12A – Beginning Shorthand (5-0-5). Fall.

Complete theory of Gregg Shorthand in the Manual. Additional reading and dictation given from the Speed Studies.

Commerce 12B – A continuation of Commerce 12A (5-0-5). Winter.

Commerce 12C – Intermediate Shorthand (5-0-5). Spring.

Dictation and transcription of new and studied material. Student is required to take dictation at the rate of eighty words a minute.

Commerce 13A – Burroughs Calculator and Comptometer (0-5-2).
Fall. Laboratory fee, \$3.50.

The objective of this course is to build speed and accuracy in the operation of the Burroughs Calculator and Comptometer and a thorough review of business mathematics. This quarter is devoted to the operation of the four fundamentals in arithmetic on the calculator.

Chemistry 13B – Burroughs Calculator and Comptometer (0-5-2).
Winter.

The following business mathematics are reviewed and applied on the machine during this quarter: decimal equivalents, split division, invoicing over the fixed decimal, percentages, discounts, and chain discounts, cost, selling price and rate of profit.

Commerce 13C – Burroughs Calculator and Comptometer (0-5-2).
Spring.

The third quarter is a continuation of business problems on the machine. The transactions covered are reciprocals, figuring grain, cipher division, prorating cost and expense, gross and dozen in invoicing inventories.

Commerce 15 – Business Communications (0-5-3). Winter.

A study of business correspondence, letters, information reports, follow-up sales programs, statistical analyses, and inter-office communications. Stress is placed on the mastery of fundamentals of clear writing.

Commerce 17 – Office Practice (0-5-3). Spring.

Typical business office situations are duplicated as nearly as possible. Practical problems deal with dictation and transcription, typing, operation of the mimeograph, filing and office courtesy.

Commerce 19 – Modern Business Mathematics (3-0-3). Spring.
Prerequisite: Mathematics 11-12 or its equivalent.

This course gives that background necessary for dealing with problems found in banking, real estate, financing, and accounting; the operation of the Compound Interest Law in business; simple problems concerning bonds, sinking funds, valuation of properties, annuities, and insurance. Practical problems in these fields will be emphasized. The necessary aids and shortcuts with use of tables and logarithms will be studied.

Commerce 21A – Advanced Typing (0-5-2). Fall. Laboratory fee, \$3.50. Prerequisite, Commerce 11C or equivalent.

Advanced typing is a course in the acquisition of speed and accuracy including various legal forms and papers, manuscripts, and business papers. An average of 65 words a minute is attained.

Commerce 21B – A continuation of Commerce 21A (0-5-2). Winter. Laboratory fee, \$3.50.

Commerce 21C – A continuation of Commerce 21B (0-5-2). Spring. Laboratory fee, \$3.50.

Commerce 22A – Advanced Stenography (5-0-5). Fall. Prerequisite, Commerce 12A, B, C.

A course in which the principles of Gregg Shorthand are applied in developing skill and accuracy in writing shorthand and in transcribing. The first half year is devoted to dictation of general business material; the second half, to dictation material applying to 16 major vocations. A speed of 120 words a minute for 5 minutes is required.

Commerce 22B – Commerce 22A continued (5-0-5). Winter.

Commerce 22C – Continuation of Commerce 22B (5-0-5). Spring.

Commerce 23A – Advanced Calculator and Comptometer (0-5-2). Fall.

The next two quarters are devoted to the application of the machine and business mathematics to the following businesses: drugs, hardware, electrical, plumbing, contracting, wholesale paper, pay roll, packing house, creameries and dairies, laundries, steel and iron, department stores, banks, lumber, petroleum, railroads.

Commerce 23B – Commerce 23A continued (0-5-2). Winter.

Commerce 23C – Advanced Calculator and Comptometer (0-5-2). Spring.

Speed, skill and accuracy in the operation of the machine are stressed in this last period.

Commerce 24 – Introductory Accounting (5-0-5). Fall.

This course is designed to familiarize the students with accounting procedures that may come within the scope of their responsibilities. A knowledge of the journal, ledger, trial balance, work sheet, income

statement, balance sheet, credit transaction, and special journals is developed during this quarter

Commerce 25 – Introductory Accounting, continued (5-0-5). Winter.

This quarter is devoted to a study of the special ledgers, and controlling accounts; depreciation; loss on bad debts; accrued and deferred items; business papers; payroll procedures; payroll taxes; the voucher system; partnership formation and operation. One practice set is completed during this second quarter.

Commerce 26 – Intermediate Accounting (5-0-5). Spring.

A continuation of partnership and its dissolution is studied in this quarter; also, corporation proprietorship; corporation accounts and records; corporation surplus, stocks and bonds. The second practice set on corporations is completed.

Commerce 27 – Business Law (5-0-5). Fall.

Contracts: nature of a contract, offer and acceptance, consideration, void and voidable contracts, unenforceable contracts, performance, rights of third parties, and discharge.

Agency: creation of an agency, principal and third party, principal and agent, agent and third party.

Negotiable instruments: introduction to law of negotiable instruments, types of negotiable instruments, creation, negotiation, holders and holders in due course, rights and liabilities of parties, performance of conditions precedent, discharge checks, banks and banking.

Commerce 28 – Business Law (5-0-5). Winter. Prerequisite, Commerce 27.

Sales, partnerships, corporations.

ECONOMICS

Economics 21 – Introduction to Economic Theory and Problems (5-0-5). Summer and Winter.

This course presents a survey of economic thought of the past and present, makes an analysis of the economic institutions of today, and examines some of the major economic problems in the modern world.

Economics 22 – Economic Geography (5-0-5). Spring.

This course concerns itself with two distinct aspects: (1) commodities whose production and distribution are significant in industry and commerce, particularly the food materials, textile fibers, and minerals; (2) consideration of commercial areas of the world from an economic standpoint. A brief examination of physical geography will be made as a background for this area analysis.

Economics 23 – An Introduction to Engineering Economy (4-0-4). Winter and Summer.

An introduction to basic economic laws, interest and annuities, valuation and depreciation, investments and investment statements, financing of engineering enterprises, and use of the geographical and statistical analysis methods. Economic problems relating to engineering are given special emphasis.

ENGINEERING

Engineering 10 – Slide Rule (1-1-1). Spring and Summer.

A course in the practical use of the engineer's slide rule.

Engineering 11 – Engineering Drawing (0-6-3). Fall and Spring. Rent for drawing instruments and equipment \$2.50.

Topics of study include lettering, the use of the instruments, orthographic projection, auxiliary views, section.

Engineering 12 – Engineering Drawing (0-6-3). Winter. Prerequisite, Engineering 11. Rent for drawing instruments and equipment \$2.50.

Topics of study include sections, dimensions, limit dimensions, pictorial representation, threads and fastenings, shop processes, technical sketching, working drawings, pencil tracing on paper, reproduction processes.

Engineering 13 – Engineering Drawing (0-6-3). Spring. Prerequisite, Engineering 12. Rent for drawing instruments and equipment \$2.50.

Topics of study include technical sketching of piping and fittings, working drawings, ink tracing on cloth, working drawings from assemblies, and assemblies from working drawings.

Engineering 21 – Descriptive Geometry (0-3-1). Fall. Prerequisite, Engineering 11.

Topics of study include the solution of problems involving points, lines, and planes by auxiliary view methods. Practical applications are emphasized.

Engineering 22 – Descriptive Geometry (0-3-1). Winter. A continuation of subjects studied in Engineering 21 including solutions by rotation methods, simple intersections, the development of surfaces.

Engineering 23 – Descriptive Geometry (0-3-1). Spring. Topics studied include the intersection of surfaces; warped surfaces. Practical applications are emphasized.

Engineering 24 – Applied Mechanics (2-3-3). Spring.

Topics of study include elements of statics; law of equilibrium applied to machines and structures, law of friction applied to simple machines, and analysis of simple structures, trusses and cranes. Problems will be solved both graphically and analytically.

Engineering 25 – Elements of Electrical Engineering (2-3-3). Spring. Prerequisites, Physics 22.

Fundamental theory of electric, magnetic and electro-static circuits.

Engineering 26 – Plane Surveying (1-3-2). Fall and Spring.

Theory and practice in chaining, differential and profile leveling, traversing, topographic surveying, reduction and plotting of field notes, and mapping.

ENGLISH

English A – Review of Fundamentals (5-0-0). Fall and Spring.

A non-credit course in the use of the English language. This course is a prerequisite for English 11 for those students whose score on the English placement test indicates that they are not equipped for English 11. Attendance in this class will also be required of students in other English courses whose use of English indicates their need for special work in language. For those students, English A will be considered a prerequisite for graduation.

English 11 – Freshman English (3-0-3). Fall, Winter and Spring.

This course is devoted to punctuation and the fundamentals of grammar, theme writing, and vocabulary building. Also the student reads and discusses selections from the works of the most prominent literary figures of the Western World.

English 12 – Continuation of English 11 (3-0-3). Fall, Winter

English 13 – Continuation of English 12 (3-0-3). Winter, Spring and Summer.

English 21 – Survey of World Literature (3-0-3). Fall and Spring.

This course is designed to give the student a knowledge of the principal works of certain major writers. The student reads in some detail several hundred pages from the works of selected authors whose thought or style has been of world-wide significance. The last third of the course deals with modern trends in literature and thought. At intervals, students are asked to write papers, and emphasis is constantly placed on the improvement of the student's ability to express himself.

English 22 – Continuation of English 21 (3-0-3). Fall, Winter and Summer.

English 23 – Continuation of English 22 (3-0-3). Winter, Spring and Summer.

English 24 – An Introduction to Poetry (5-0-5). Fall. (Not offered in 1948.)

A study of the various types and forms of poetry with special emphasis on the works of the more recent British and American poets.

English 25 – American Literature (5-0-5). Spring. (Not offered in 1949.)

A survey of American literature and culture. In this course the student reads somewhat fully from works of a comparatively small number of notable and representative American writers. This course is primarily devoted to reading and discussion, but each student is asked also to select one particular period or author for concentration, making reports and writing papers in that phase of the work.

English 26A – Advanced Composition (3-0-3). Fall.

Advanced writing practice. The course is designed to equip the student to express his ideas in clear, well-organized, and interesting prose. Various techniques of composition are considered, but the main portion of the course is devoted to the writing and re-writing of exposition.

English 26B – Continuation of English 26A (3-0-3). Winter.

English 27 – Reading Modern Drama (5-0-5). Spring.

Students will participate in class reading and discussion of selected dramas. The plays will not be acted. The course is expected to improve the student's diction and reading.

EDUCATION

Education 21 – Introduction to Education (3-0-3). Fall.

A brief survey of the field of education, including the topics, aims, organization, methods of financing, curriculum, constructions, qualification of teachers, ethics of the profession, etc.

FINE ARTS

Art 11 – Creative Art (2-6-5). Fall.

Drawing, art principles, and design with work in other media at the discretion of the instructor. Some application will be made to poster-making, lettering, and everyday life needs. Each student is

Music 21 – Great Music (3-0-3). Winter.

A course designed to introduce the student to such varied musical forms as the fugue, the sonata, the symphony, the concerto, and the tone poem. The lives and general backgrounds of the major composers will be discussed. Lectures and class discussions will be supplemented by the playing of records.

Music 22 – Continuation of Music 21 (3-0-3). Spring.

Experimental Theatre 11 (3-4-5). Fall.

A survey of theatre history with emphasis on production methods. In the laboratory students will immediately become a part of an active producing company. Plays will be selected, cast, directed, designed, lighted, and costumed by students, and will be performed before invited audiences. The group will work directly with the Savannah Playhouse.

Experimental Theatre 12 (3-4-5). Winter.

Emphasis on speech control. No prerequisites.

Experimental Theatre 13 (3-4-5). Spring.

Emphasis on acting and speech. No prerequisites.

FOREIGN LANGUAGES

FRENCH

French 11 – Elementary French (5-0-5). Fall and Spring.

A course for beginners. Emphasis is placed on the spoken language. Grammar composition and reading are included in the course. In addition to the five hours of class work, two hours a week of supervised drill will be scheduled to assist the students in oral practice.

French 12 – Continuation of French 11 (5-0-5). Winter and Summer.

French 21 – Intermediate French (5-0-5). Fall.

A course in review grammar. Oral and written practice; reading of selected texts.

French 22 – Intermediate French Continued (5-0-5). Winter.

French 23 – Introduction to Literature (5-0-5). Spring. (Not offered in 1949.)
required to furnish his own supplies.

A survey course with particular emphasis on the nineteenth century. Written and oral reports on collateral readings.

French 24 – French Classical Drama (5-0-5). Spring.

Selected plays of Corneille, Moliere and Racine are studied. Four plays are read in class and four plays read as collateral.

French 25 – French Short Stories (5-0-5). Spring.

GERMAN

German 11 – Elementary German (5-0-5). Fall.

Drill in fundamentals. Grammar, oral and written practice, early reading of selected material in German. Second part is devoted to additional grammar and conversation.

German 12 – Continuation of German 11 (5-0-5). Winter.

German 21 – Review Grammar (5-0-5). Spring.

SPANISH

Spanish 11 – Elementary Spanish (5-0-5). Fall.

These courses are for the purpose of providing the student with the elements of Spanish by reading, composition and speaking

Spanish 12 – Continuation of Elementary Spanish (5-0-5). Winter.

Spanish 20 – Review Course (5-0-5). Winter.

A review course in which Spanish 11 and 12 will be covered in one quarter. It is designed for those students who have studied the language before, but for any reason are not prepared to enter Spanish 21.

Spanish 21 – Intermediate Spanish (5-0-5). Fall and Spring.

Grammar review, composition and selected prose readings.

Spanish 22 – Advanced Spanish (5-0-5). Winter.

The purpose of this course is to increase the students' facility in writing and speaking Spanish. Selected masterpieces of Spanish literature are read.

Spanish 23 – Commercial Spanish (5-0-5). Spring.

A study of business letters and forms used by the Spanish-speaking world and of the vocabulary of trade, travel, and communication.

Spanish 24 – Modern Prose Readings (5-0-5). Spring. (Not offered in 1949.)

This course provides intensive reading of novels, plays and short stories of nineteenth and twentieth century Spanish and Latin American authors.

HISTORY

History 11 – History of Western Civilization from the Beginning to the Present (3-0-3). Fall, Winter and Spring.

A survey of the political and cultural history of the Near Eastern and European civilization from the earliest times through World War II. Special emphasis is given to the Commercial and Industrial Revolutions, the rise of political democracy in Europe and America, the extension of European culture to Asia and Africa, the conflicts of European states, and the recent and contemporary developments in the world.

History 12 – Continuation of History 11 (3-0-3). Each quarter.

History 13 – Continuation of History 12 (3-0-3). Winter, Spring and Summer.

History 21 – English History. History of England and the British Empire (5-0-5). Fall.

A study of English political and social institutions from early times to the present with special emphasis given to developments since the Tudor period.

History 22 – Latin America (5-0-5). Spring.

This course deals with the colonial, revolutionary and recent developments in the countries of Hispanic America.

History 23 – Contemporary American History (5-0-5). Spring.

The purpose of this course is to examine the major factors in the development of the U. S. from the Spanish-American War to the present time. Political, social, and cultural issues are examined and developments abroad which come into contact with the American scene are studied.

HOME ECONOMICS

Home Economics 10 – Orientation (3-0-3). Fall.

An introduction to home economics that gives the student some idea of the vocational opportunities in this field so she will be able to take better advantage of her course of study in college.

Home Economics 11 – Clothing (3-6-5). Winter.

This course deals with the problems in the planning, selecting, and purchasing of a wardrobe. It includes an introduction to textile construction and finishing and a brief history of clothing. Laboratory periods are devoted to the construction of garments.

Home Economics 12 – Foods (3-6-5). Spring.

An introduction to the basic foods and family meal service. Complete meals are prepared and served in each laboratory period.

Home Economics 13 – Foods (3-6-5). Winter. Prerequisite, Home Economics 12 or consent of the instructor.

A more advanced approach to food preparation and selection. Foods are purchased and prepared for special occasions, such as formal dinners, luncheons, receptions and teas.

Home Economics 21 – Home Furnishing (4-2-5). Fall. Prerequisite, Art 11 or consent of the instructor.

A study of the home from the standpoint of family needs. Both the interior and exterior of the home are considered with reference to such topics as home lighting, wall treatments, floor coverings, and storage space. Period styles of furniture from those of ancient times to the present are studied.

Home Economics 22 – Nutrition (5-0-5). Spring. Prerequisite, Chemistry 11 and 12, or 14 and 15, or consent of the instructor.

A consideration of the laws governing the food requirements of individuals for maintenance and growth of the body. The food nutrients and their contributions to the daily dietary are studied.

Home Economics 24 – Child Development (3-4-5). Spring. Prerequisite, Psychology 21 or a satisfactory substitute. Four periods of supervised observation in the Nursery School.

A discussion of the social, emotional, physical and mental development of the pre-school child with reference to the behavior and guidance of young children.

HYGIENE

Hygiene 11 – (3-0-3). Spring.

Freshman Hygiene should give the student an understanding of the principle of mental and physical health. The aim is to educate the individual for sensible living in his environment.

JOURNALISM

Journalism 11 – (1-2-2). Fall.

This class meets two hours per week for classes on the theory of journalism. In lieu of one hour of lecture, two hours of work on the staff of one of the college publications may be substituted. Students will gain practical experience in working out editorial, mechanical, and business problems dealing with a publication.

Journalism 12 – Continuation of Journalism 11 (1-2-2). Winter.

Journalism 13 – Continuation of Journalism 12 (1-2-2). Spring.

LIBRARY SCIENCE

Library Science 11, 12, 13 (1-0-1). Fall, Winter and Spring.

This course is designed especially for student-assistant librarians and includes general training in library science, with emphasis placed on current library needs. Enrollment upon approval of instructor.

MATHEMATICS

Mathematics 10 – Intermediate Algebra (5-0-3). Fall and Spring.

Designed to furnish the student with an insufficient high school mathematics foundation with the background necessary for successful completion of Mathematics 16, this course includes theory of numbers, factoring, fractions, linear equations, exponents and radicals and quadratic equations.

Mathematics 11 – Freshman Mathematics (3-0-3). Fall and Spring.

An introduction to inductive and deductive methods; Euclidean and non-Euclidean systems; theory of arithmetic numbers, operations and measurements; functional relationships; and simple circular functions.

Mathematics 12 – Freshman Mathematics (3-0-3). Winter and Summer. Prerequisite, Mathematics 11.

A continuation of the course started in Mathematics 11, variation; logarithms; interest and annuities; progressions of numbers; and combinations and probability.

Mathematics 13 – Freshman Mathematics (3-0-3). Spring and Summer. Prerequisite, Mathematics 12.

Advanced circular functions; equations; and common curves.

Mathematics 16 – College Algebra (5-0-5). Fall and Spring. Prerequisite, Two years of high school algebra or Mathematics 11.

A course in advanced algebra planned for mathematics or science majors. The course begins with a review of the theory of numbers, factoring, fractions, exponents and radicals, linear and quadratic equations, and includes the binomial theorem, complex numbers and elementary theory of equations.

Mathematics 17 – Trigonometry (5-0-5). Winter and Summer.

A course covering logarithms, solution to the right and general triangle, the general solutions of trigonometric equations and polar coordinates.

Mathematics 18 – Plane Analytic Geometry (5-0-5). Spring and Summer. Prerequisite, Mathematics 17.

Analytic geometry of point, line, and circle; elementary conic sections; polar coordinates; transcendental curves and transformation of coordinates.

Mathematics 21 – Differential Calculus (5-0-5). Fall. Prerequisite, Mathematics 18.

Theory of differentiation, with application to tangents; maxima and minima; rates; curvature; velocity and acceleration; approximations; and Newton's method.

Mathematics 22 – Integral Calculus (5-0-5). Winter. Prerequisite, Mathematics 21.

Formulas and methods of integration; single integration applied to areas and lengths; volumes and surfaces of revolution; centroids and moments of inertia; pressure and work.

Mathematics 23 – Differential and Integral Calculus (5-0-5). Spring. Prerequisite, Mathematics 22.

The law of the mean and indeterminate forms; series, with applications; partial and total derivatives, with applications; essentials of solid analytic geometry; multiple integration, applied to areas, volumes, centroids and moments of inertia.

PHYSICAL EDUCATION

Physical Education 11M – Conditioning Course for Men (0-3-1). Fall.

Consists of calisthenics; stunts and tumbling; lifts and carries; road-work, dual combatives; and simple games.

Physical Education 11W – Same Course for Women (0-3-1). Fall.

Physical Education 12M – Team Sports for Men (0-3-1). Winter.

Consists of elementary basketball, soccer, or speedball.

Physical Education 12W – Same Course for Women (0-3-1). Winter.

Physical Education 13M – Elementary Swimming for Men (0-3-1). Spring.

Physical Education 13W – Same Course for Women (0-3-1).
Spring.

Physical Education 18 – Advanced Basketball for Men (0-3-1).
Winter.

Physical Education 21 – Elementary Tennis (0-3-1). Fall and
Summer.

Physical Education 22 – Elementary Boxing for Men (0-3-1).
Winter.

*Physical Education 23 – Senior Life Saving and Instructors' Course
in Swimming for Men* (0-5-2). Spring.

Physical Education 24 – Boxing for Teachers (0-5-2). Winter.

Physical Education 25 – Folk Rhythms (0-3-1). Fall.

Physical Education 26 – Modern Dance for Women (0-3-1).
Winter.

Physical Education 27 – Tap Dance for Women (0-3-1). Winter.

Physical Education 28 – Adult Recreative Sports (0-3-1). Spring
and Summer.

Consists of passive, semi-active, and active games and sports which
have carry-over value for later life.

Physical Education 29 – Folk Rhythms for Teachers (0-5-2).

PHYSICS

Physics 10 – Physics Survey (4-3-5). Winter. Laboratory fee, \$2.50.

An elementary study of the fundamentals of physics with a study
of some of its simple applications. The laboratory period of two hours
a week will be devoted to measurements designed to give an intro-
duction in laboratory methods.

Physics 11 – Freshman Physics (5-3-6). Fall. Laboratory fee, \$2.50.

This course begins with the fundamental measurements of physics
and includes heat transfer; properties of solids and liquids; gas laws;
force and motion; simple machines; work and power.

Physics 12 – Freshman Physics (5-3-6). Winter. Laboratory fee.
\$2.50. Prerequisite, Physics 11.

A continuation of the sequence started in Physics 11, this course includes vectors; torque; momentum; uniform circular motion; moment of inertia; resonance; and the fundamentals of the physics of electricity, light, and sound.

Physics 21 – Mechanics (5-3-6). Fall. Laboratory fee, \$2.50. Prerequisites, High School physics or equivalent, and Mathematics 18.

Physics 21, 22, and 23 together constitute a thorough course in basic physics for engineers. The solution of a large number of problems is required, and the course includes applications of the elements of the calculus. The laboratory work is designed to give practice in the art of making precise measurements, proficiency in the manipulation of apparatus and added familiarity with some of the concepts of physics. The theory of errors is stressed enough to give students the ability to decide under what conditions the greater expense of more precise measurements is justified.

Physics 22 – Electricity (3-3-6). Winter. Laboratory fee, \$2.50. Prerequisites, Mathematics 21 and Physics 21.

Electricity and related phenomena are taught as a part of the basic physics course described under Physics 21.

Physics 23 – Heat, Sound and Light (5-3-6). Spring. Laboratory fee, \$2.50.

Heat, light, sound and atomic physics are taught as a part of the basic physics course described under Physics 21.

POLITICAL SCIENCE

Physical Science 12 – Theories of Political Science and Application of these Theories (5-0-5). Fall and Spring.

A study is made of the theory and practice of government and politics in the United States, Great Britain, France, Switzerland, Russia, and the pre-war Fascist nations. In addition, the workings of the United Nations Organization is observed. Each student concentrates on some aspect of the course that particularly interests him, and reports his findings to the class.

Political Science 13 – Government in the United States (5-0-5). Winter and Summer.

A study is made of national, state, and local government in our country in actual practice.

PSYCHOLOGY

Psychology 21 – Introductory Psychology (5-0-5). Fall and Winter.

An introductory course in psychology, including discussions of learning, memory, behavior, psycho-biological relationships, morale, and motivation. The facts and principles from scientific research in psychology are applied to the student in his present use of college experience.

Psychology 22 – Social Psychology (5-0-5). Winter. Prerequisite, Psychology 21.

This course is an introduction to the psychology of groups. An analysis is made of the physiological and socio-cultural motivation of the individual from infancy to adulthood from the standpoint of his group relationships. Special attention is given to a study of leadership, the development of radical and conservative qualities, propaganda, war, fascism, communism, delinquency and public opinion.

Psychology 23 – Child Psychology (5-0-5). Spring. Prerequisite, Psychology 21.

A study of the developmental factors operating in a child's experience that make for, or interfere with, effective expression of his capacities and efficient adjustment to life situations. Sources are drawn from experimental research and from the findings of analytical psychology.

Psychology 24 – Educational Psychology (5-0-5). Spring.

A study of psychological theories of learning and of goals in learning as they are represented in various teaching methods used in schools, family life and in social changes.

SOCIOLOGY

Sociology 20 – Introductory Sociology (5-0-5). Fall.

A study of the principles of social organization in American culture based on scientific studies of groups, "race", population and of the institutionalized functions of society.

Sociology 21 – Marriage and the Family (5-0-5). Winter and Spring.

A study of family backgrounds, preparation for marriage, marriage inter-action and family administration, family economics, problems of parenthood, family disorganization. A study of the family in the post-war period and present trends in family life are included.

SCHOOL OF NURSING

Armstrong Junior College offers the following nurses' courses in cooperation with the Warren A. Candler School of Nursing:

Anatomy 1N – Two lecture or recitation periods and one three-hour laboratory period. The course runs through two quarters, or may be conducted in one quarter. Fee, \$2.50 each quarter.

This course is conducted concurrently with the course in physiology, thus integrating the subject matter. The course includes both gross and microscopical anatomy. Lectures, demonstrations and some dissection.

Physiology 1N – This course is conducted concurrently with the course in anatomy. In the integration of the two courses, a basic understanding of the functions of the normal human body is presented so as to enable the student better to understand health, nutrition, and the pathological changes due to disease. The blood group of each student is ascertained and recorded. The methods of instruction are the same as in anatomy.

Microbiology 1N – Two lecture or recitation periods and one three-hour laboratory period. Fee, \$2.50.

The title "microbiology" is used because it is that branch of biology that deals with plant and animal forms, while bacteriology includes only the micro-organisms of vegetable origin. The characteristics and activities of micro-organisms and their relation to health and disease are studied; also the sources, modes, and prevention of infection and isolation; disinfection and asepsis; tissue changes in the healing process, infections and neoplasms. Explorations of scientists in the field of microbiology and new discoveries applicable to health conservation are noted. Lectures, recitations, demonstrations and laboratory work.

Chemistry 13N – Four lecture or recitation periods and one three-hour laboratory period. Fee, \$2.50.

The purpose of this course is to acquaint students with the principles of inorganic, organic and physiological chemistry with special applications to nursing practice. General composition of blood and urine is studied; the students volunteering to eat certain diets which show relationship of utilization of foods, and kidney function through urinalysis.

Sociology 2N – This course considers (1) the principles of sociology; (2) the nurse as a citizen of the community and as a professional

worker; (3) the importance of the hospital among the social agencies in the community; (4) the patient in the hospital coming from the family and returning to the family. Three hours.

Home Economics 2N – Nutrition and Food Preparation, three hours. Fee, \$4.00.

The fundamental principles of nutrition and food preparation are considered. The nutrition requirements of children and of adults are compared. Special attention is given to the nutrition requirements of childhood and pregnancy.

Psychology 1N – Three hours.

This course is an introduction to the study of human behavior with emphasis on the underlying principles of mental adjustments. The importance of the nurse's own personality is stressed.

English 1N – Three hours.

A basic course in the fundamentals of reading, writing, and speaking English.

EVENING COLLEGE

(Description of courses under separate cover will be furnished upon request.)

Art 122-123 – Pastels and Water Colors. 1½ quarter hours credit.

Art 126 – Pencil Sketching. 2 quarter hours credit.

Biology 111, 112 – General Zoology. 5 quarter hours credit each.

Commerce 101, 102, 103 – Elementary Accounting. 2 quarter hours credit each quarter.

Commerce 115 – Business Communications. 3 quarter hours credit.

Commerce 121, 122, 123 – Advanced Accounting. 2 quarter hours credit each quarter.

Commerce 151, 152, 153 – Typewriting. 1 quarter hour credit each quarter.

Commerce 161, 162, 163 – Gregg Shorthand. 2 quarter hours credit each quarter.

Commerce 171, 172, 173 – Comptometer or Burroughs Calculator. 1 quarter hour credit each quarter.

English 121, 122 – Survey of World Literature. 5 quarter hours credit each quarter.

English 124 – Public Speaking. 3 quarter hours credit.

English 126 – Basic Journalism. 3 quarter hours credit.

History 101A, 101B – History of Western Civilization. 5 quarter hours credit each quarter.

Mathematics 101 – College Algebra. 5 quarter hours credit.

Physics 101, 102 – Freshman Physics. 5 quarter hours credit each quarter.

Psychology 122 – Social Psychology. 5 quarter hours credit.

Spanish 101, 102 – Elementary Spanish. 5 quarter hours credit each quarter.

Visual Education 1 – Industrial Relations. Foremanship conferences. No credit given.

Roster of Students

GRADUATES OF 1947

ASSOCIATE IN LIBERAL ARTS

Georgia Louise Antonopolo
Donald Evans Austin
Miriam Andrese Bailey
Earlynn Barker
Mary Anne Barnes
Marian Beverly Beacham
William Arthur Binns
Robert Eason Blake
Irene Cornelia Branch
Johnie Ervin Branch, Jr.
Sara Elizabeth Brewer
Howard Bernard Brown
Jane Elizabeth Brown
William Francis Brunner
Grace Capetanakis
Martha Frances Collier
Mary Elaine Colson
Pattie Arlene Cook
Barbara Jane Cordray
Barbara Frances Cowan
Barbara Jane Cox
Margaret Lorraine Crovatt
Helen Jeanette DeVere
George Gregory Doerner
John Harmon DuBois
Mary Ann DuPont
Joanne Durrence
William Mallette Exley
Sara Gavin Fawcett
Theodore Barker FitzSimons, Jr.
Beverly Jeanne Flanders
Ruth Connor Foster
Betty Anne Freeman
Leolene Gaudry
Harold Bradley Goldberg
Lillian Wells Gracen
Lenora Faye Hancock
Douglas Eugene Harmon
Cecile Harris
Nelson Haslam
Edna Ann Hutchins
Natalie Hymes

George Howard Isley, Jr.
Arthur Kearney, Jr.
Wiley Branch Kessler, Jr.
Elizabeth Williams Kilroy
Elsie Gibson Lawing
Wilbert Nathaniel Little
Cecil Wilbur Lynn
James Howard Mallory
Lois Elizabeth Mallory
Florrie Lee Malphrus
Carolyn Eugenia Mitchum
Mary Ellen Montgomery
Lida Holloway Moore
Carolyn Della Murphy
Leila Ann Nease
Marvin Philip Nodvin
Clara Annette Porterfield
James Cameron Ratcliffe
Bernard Israel Ratner
Robert Lafayette Redmond
Margaret Angela Ryan
Frederick Newnan Sigman, Jr.
Nick Peter Simon
Frederick Willis Smith
Leslie Garfield Snead
Charlie Lee Sparkman
Thomas Abbott Stokes, Jr.
Ruth Golden Sullivan
Eugene Clifford Thompson, Jr.
Sally Annette Toshach
Helene Selma Ungar
George Waring Upchurch
Tillie Susanne Vaughndorf
Betty Juanita Walker
Marguerite Graham Walker
Mildred Elizabeth Walsh
Jane Marie Wheeler
Charles Michael Arthur Williamson
Norman Francis Williamson
James Eugene Wilson
Sara Anne Woodward

ASSOCIATES IN HOME ECONOMICS

Harriet Birnbaum
Margaret Mary Byers
Grace Elizabeth Clark
Catha Sue Cox
Sara Leon Dickey

Betty Lee Forman
Dorothy Virginia Linton
May Ann Smith
Leita Hutcheson Stevens

PERMANENT DEAN'S LIST OF
DISTINGUISHED STUDENTS

GRADUATES

"A" Average

Grace Capetanakis
Edna Ann Hutchins

Marv Ellen Montgomery
Charles Williamson

"B" Average

Donald Austin
Miriam Bailey
Beverly Beacham
Johnie Branch
Barbara Jane Cordray
Barbara Cowan
Lorraine Crovatt
John DuBois
Theodore FitzSimons, Jr.
Betty Ann Freeman
Faye Hancock
Nelson Haslam

Elsie Lawing
Wilbert Little
Leila Ann Nease
Marvin Nodvin
James Ratcliffe
Fred Smith
Leslie Snead
Sally Toshach
Helene Ungar
Marguerite Walker
Norman Williamson

NON-GRADUATES

"A" Average

Phillippa Kandel
James Kimberly

Robert Porter
Helen Quattlebaum

"B" Average

John Anchors
Louie Banks
Edwin Baron
Joseph Becton
Norma Faye Blocker
George Brannen
John Buttmer
Robert Cason
William Ainsworth Clark
Irwin Cooley
Dewey DeLettre
Jean DeMars
Grady Dickey
Harry Dodd

William Farrior
Anthony Fonts
Hugh Futrell
Betty Ruth Graham
Carter Harrison
Haskell Heller
William Horton
John Howkins
Cecil Johnson
Baldwin Kahn
Mary Ann Kavanaugh
Grady Kicklighter
Charles Lilley
Harry Livingston

Lee McClure
Robert Macclaurin
Ashby Matthews
Anne Mayer
John Mikell
Betty Ann Miller
Mary Morel
Rufus Nightingale
Sidney Nutting
Jean Oxenfield
Leon Pahnno
Mary Patterson
Betty Pitts
William Price
Frank Rizza

Carolyn Royce
Jo Ryan
James Ryder
John Stewart
Wayne Street
James Teuton
James Tootle
Carl Tranberg
DeLamar Turner
Ronald Varn
William Wall
Robert Way
William Worrell
Leon Zalkow

STUDENT BODY

SOPHOMORES

Abbott, Laurie Kimball
Adams, John Lehman
Akins, John Oswald
Alfieris, Costa
Allen, Lawrence David
Andrews, Helen Claire
Bacot, Jules de Romand
Bailey, Charlotte P.
Baker, Allie Marion
Baron, Edwin J.
Beall, Thomas Keller
Becton, Charles J.
Bell, William Lee
Berry, John Mercer, Jr.
Blocker, Norma Faye
Boniface, Robert Edward
Bourne, Frank Leon, Jr.
Brannen, George Lorin
Brigham, Charles Thomas
Brown, Hugh Richard, Jr.
Burch, Barbara Claire
Burgin, Arnold Rush, Jr.
Burnett, Oscar Caldwell, Jr.
Butler, William Thomas
Carroll, William Joseph
Carter, James Walter
Carter, Marian Lourdine
Cartledge, George William
Chandler, Arthur J.
Chenggis, Andrew Gus
Clanton, Charles Calvin, Jr.
Clark, William Ainsworth
Cobb, Lucious Morrell
Cohen, Charlton Lee
Collins, Charles Larry

Colquitt, Alfred Holt, Jr.
Cooley, Irwin David
Cooper, Bernice
Corcoran, James Frederick
Corley, Harmon Aloysius, Jr.
Credle, Kenneth Larry
Cubbedge, Robert Lee
Davis, Donald Jeffrey, Jr.
DeLettre, Dewey Franklin, Jr.
DeMars, Jean Eloise
DeVere, Dorothy
Dickey, Grady Lee
Dimmick, Robert Phillip
Dismukes, James Alfred
Dixon, Jeanne Holst
Dupree, Forist Gleaton
Durrence, Jack Gordon
Edwards, Ethel Adelia
Eitel, Charles Henry, Jr.
Ellis, Edward Everett, Jr.
Falk, Richard Bradv
Farrior, William Laurie, Jr.
Findley, James Emory
Finocchiario, Frank Joseph
Fogarty, Margaret Moira
Fogarty, Thomas Joseph, Jr.
Fonts, Anthony Victor
Fountain, Mary Bernardine
Fretwell, Anne Katherine
Fritts, David Hilton
Fulton, Mary Lillian
Futrell, Hugh Preston, Jr.
Galin, Alvin Alex
Gilbert, Elizabeth Grayson
Giles, Phyllis Joan

SOPHOMORES

Gordon, Raymond Solomon
 Graham, Betty Ruth
 Greene, Harold Lewis
 Griner, Benjamin Thadeus, Jr.
 Haag, Baron Ferdinand
 Haddock, John William
 Hale, Charlotte
 Hale, Doris Elizabeth
 Hall, Colleen Evelyn
 Hamilton, Phillips Dyson
 Harman, Robert Earl
 Harmon, Walter Carl
 Heller, Haskell M.
 Helmev, Edgar Labey
 Hendrix, Helen Paulette
 Hindman, Benjamin Franklin
 Hodges, Cheatham Eli, Jr.
 Hodges, Eldred
 Hodgkins, Willis Burney
 Holley, Ernest Lee, Jr.
 Holmen, Gustav Torkild
 Hopkins, Emil Eugene
 Hopkins, Marguerite Hayman
 Horton, Homer Sinclair
 Hyrne, John Hume
 Jarrott, George Alston
 Johnson, Cecil Rustin
 Johnson, Charles Pharis
 Jones, Rheta Georgette
 Jones, William Burrell, Jr.
 Joselove, Riette
 Kandel, Phillippa
 Keever, Margaret Lindsay
 Kelly, David O'Leary
 Ketchum, Nelson Amos
 Kicklighter, Grady Downer
 Kiley, Jack Leon
 Kimberly, James Carlton
 Kitchens, Mack Howard
 Kluber, Harold Francis
 Knight, Troy R.
 Kuhlke, Betty Janet
 Laird, Marguerite
 Laird, Robert McDonald
 Lamas, Theodore Andrew
 Landy, David
 Lasky, Robert Samuel
 Lee, Edward Henry
 Leonard, Edward Aloysius, Jr.
 Leonard, Elizabeth Lucille
 Lewis, John Gover
 Lewis, Robert Fulton
 Livingston, Harry
 Logan, Joseph Andrew
 Lord, Iverson Hawkins, Jr.
 Lynn, James Kenneth
 McCullough, Roy R.
 McDaniel, William Evans
 McDonald, Richard Aloysius
 McDuffie, Robert P.
 McGarvey, Warren William
 McGhee, Jerry Milfred
 McMillan, Jane Ingram
 McTeer, Joseph Linwood
 Mallory, Paul Gibson
 Manley, Hobart Leslie, Jr.
 Marks, Lyman Wendell
 Maxwell, Josephine Moatte
 Mayer, Anne Floyd
 Mikell, John Shelton
 Miller, Betty Ann
 Mirsky, Zelda
 Mixon, Cameron
 Mooney, Thomas Joseph
 Moore, Betty Adair
 Morel, Mary Ernestine
 Morgan, Harvey Vaughn
 Morris, George Clinton
 Morris, Neal Leonard, Jr.
 Murphy, John Henry
 Newman, John Thomas, Jr.
 Nichols, Nancy Hull
 Nichols, Van Nolan
 Nightingale, Rufus King
 Nutting, Sidney Thomas, Jr.
 Olson, John, Jr.
 Orsini, Marino Felice
 Paddison, John Robert
 Paine, Hampton Erwin
 Parker, Edward Morton
 Parrish, Jesse Ricks
 Patterson, Mary Alexander
 Paulsen, Jacob Henry
 Perkins, Ward Ellis
 Persse, Jefferson Davis
 Peters, Hazel Mae
 Pierce, Dorothy Elizabeth
 Pitts, Elizabeth Aline
 Pitts, Paul Zeanus, Jr.
 Porter, Robert Alton
 Price, William Joseph
 Rahn, Henry Osborne
 Reed, William Howard, Jr.
 Reisman, Louis
 Rice, Janice June
 Richard, John Lewis
 Richard, Robert Leonard
 Richards, Vernon Glenn
 Richards, Wallace Julian
 Rizza, Frank Alfonso, Jr.
 Royce, Carolyn Mae
 Ryan, Jo Aiken

SOPHOMORES

Ryan, Mary Altick
Ryder, James Donald, Jr.
Saseen, Joseph Owen
Saxon, Martha Darwin
Scott, Joseph Franklin
Seawright, Carolyn
Seckinger, Barbara Ann
Silver, Julian Graham
Simms, Evelyn
Sims, Archibald William
Slotin, Harry
Smith, William Ivie, Jr.
Snipes, Harry Edison
Snipes, Harold Vincent
Speir, Henry Lee, Jr.
Stevens, James Emmett, Jr.
Stewart, Charles LeRoy, Jr.
Stewart, John D.
Strickland, Harry Brooks

Strickland, Sidney Franklin
Strickland, William Robert
Taylor, Louise Remson
Teuton, James L.
Thomas, Reppard Darris
Tootle, James Walter
Turner, DeLamar, Jr.
Varn, Ronald Hughes
Wade, Christine Theresa
Wallace, William Madison
Walsh, Verna Lula
Weathers, Erma Jean
Webster, Charles Boyd
Williams, Margaret Ann
Williamson, Norman Francis
Wilson, Robert Evans
Winn, William Stephen
Yarber, William Clyde
Zalkow, Leon Harry

FRESHMEN

Adler, Sylvia Yetta
Allen, Ruth Elizabeth
Allred, John Odell
Ambrose, Merritt Maynard
Anderson, Charles Blondell
Arnold, Hartley Hunt
Aycock, William Lucious
Bacon, Carolyn Earleen
Bacon, William Earl
Baker, James Thomas
Banks, Louie Morgan
Barbot, Daniel Edward
Barker, Robert Edward
Barrett, Bert Bailey
Benet, Robert Laird
Bergrin, Irwin David
Berlin, Melvin
Berry, John Levington
Blackburn, Frankie Louise
Blackwelder, Nora Stella
Blanton, James Clark
Blatner, Walter Cordray
Boone, Martha Sue
Brewer, Nicholas John, Jr.
Bridger, George Hugo
Brinson, James Elton, Jr.
Broderick, Betty Ann
Brower, Madison Zachary, Jr.
Brown, George W.
Browne, Glenn Leslie
Campbell, Walter E., Jr.
Cason, Dorothy Jean
Chambers, Lucy

Chance, Sam W.
Chastain, Jesse Maurice
Clarke, Clifford Montreville
Clarke, Richard F.
Clemens, Henry Konrad
Coffer, J. Henry, Jr.
Coffey, Nancy Sue
Colcock, William Huguenin
Conneff, Laurence Sheridan
Conway, Harvey Owen
Conway, Mary Elizabeth
Cook, Ernest Lawrence
Cooley, Peter Meldrim, Jr.
Cooper, Harry Goodwin
Copeland, William Crovatt
Crane, William T., Jr.
Creech, Lynda Dupree
Crosby, Richard Blake, Jr.
Daugherty, Sidney Joseph
De Beruff, Ellen
Dixon, Elizabeth Holst
Donnelly, George Frederick
Doolan, James Patrick
Downs, John Kight
Drane, Robert Gallaton
Dugger, William
Dunsmuir, Marian
Durden, Rose Mary
East, Charles Preston, Jr.
Eckles, Edwin Clifford
Edelbaum, Berko
Ehrenreich, Sara Frieda
Ellis, James

FRESHMEN

- Epting, Eugene Ludington, Jr.
 Evans, Annie Billeen
 Fallin, Walter Julian
 Ferguson, Reginald N.
 Fishman, Rita
 Floyd, Charles Rinaldo
 Fluke, Meyer Oscar
 Fogarty, Anthony Michael
 Fogarty, William Leech
 Folger, John Dalton Murphy
 Ford, Sarah Lake
 Fountain, Edwin Byrd
 Frazier, Frances Carolyn
 Gay, David Mather
 Gibbons, Norma Monsees
 Gignilliat, Iris Hart
 Godbee, Jo Ann
 Godbold, Gus Sidney
 Graham, Joan Maree
 Green, James Arthur
 Griffin, John Jeremiaah
 Gross, Carolyn McNeill
 Guild, Douglas Henry
 Gunn, Robert Donald
 Hanberry, Chester Alexander
 Hancock, Doris Jean
 Hanson, Robert Sterling
 Hardie, Marvin Burke, Jr.
 Harney, William Sumter, Jr.
 Harte, Mary Joseph
 Hattrich, Shirley Jane
 Hayes, Aubrey Luther
 Healey, Joan
 Hecker, Betty Ruth
 Hecker, Robert H., Jr.
 Heller, Rupert S.
 Helmly, Eddie Cleveland, Jr.
 Henderson, Robert Thomas
 Hester, Wendell Hearn
 Hill, Joseph Booker
 Hiltz, Donald J.
 Hodges, Helene DeLorge
 Hodgkins, Edwin Key
 Hoffman, Philip
 Holec, John Francis
 Hopkins, Gibbs Claghorn, Jr.
 Horton, William LeRoy
 Hudson, Daniel Curtis
 Hubbard, John Samuel, Jr.
 Jackson, William Edward
 Jinks, Herbert Lynwood
 Johnson, James Marion
 Johnson, Mendell Thurman
 Johnson, Thomas Chinnis, Jr.
 Jones, George Brooks
 Jones, Shirley Kline
 Kandel, Joanne Theresa
 Karp, Martin Lind
 Keating, Mary Mullarky
 Kelley, David Branham
 Kelley, John Beryl
 Kelly, Joseph Elton III
 Kelly, Mary Lillis
 Kelly, William Lloyd
 Kerves, Flossie Lillian
 Kimberly, Dora Anne
 Knox, Thomas Joseph
 Kolshorn, Henry F. C.
 Kramer, Bernard
 Laird, Dorothy Mildred
 Laird, Thaddeus A.
 Lamb, Robert William
 Lanier, Charles Wellington
 Lanier, Dennis Parker, Jr.
 Lanier, Edwin L.
 Lankenau, Catherine Elizabeth
 Latzak, Thomas Carson
 Leaf, Hunter, Jr.
 Ledbetter, Marianna
 Levington, Nancy Ann
 Lewis, Robert Evans
 Littlefield, Martha
 Lumley, Jo Ann
 McCall, William Royal
 McClellan, Dallas Lofton, Jr.
 McCracken, John Joseph
 McCreery, William Floyd
 McGrath, Mary Esther
 Madison, Thomas Clouse
 Magee, Joseph
 Magee, Maurice
 Martin, Nathaniel J.
 Masters, Mary Frances
 Mastopoulos, Emily Florence
 Mathers, John Morrison
 Meadows, Martha Catherine
 Meddin, Arnold Roger
 Meeks, James Marston
 Melaver, Millicent
 Melson, Holland Roberts
 Mitchell, Winifred
 Mixon, Ray Harold, Jr.
 Morgan, Frank Pickett
 Morgan, James Otis, Jr.
 Muirhead, Dolores Onita
 Mullinix, Richard Bordeaux
 Newnan, Bobby Joe
 Nichols, George John
 Nichols, Sarah
 Nichols, Stellgis John
 Nicholson, William J. B., Jr.
 Norman, Martha Katherine

FRESHMEN

O'Brien, Thomas Keating
Oglesbee, Jack Lewis
Oglesby, John Thomas
Owens, Jimmie Mitchell
Palefsky, Abram
Parker, Laura Lee
Peacock, William Wallace, Jr.
Pearson, Barbara Jeanine
Peters, John Aloysius, Jr.
Phillips, Camille Easters
Pierce, Clesson Ellsworth, Jr.
Powell, Raymond Hoyt
Raines, Richard Mitchell
Raskin, Annette
Rich, Eleanor Mae
Richardson, Beulah Norma
Richman, Marilyn
Ricks, Jack Curtis
Ridgway, Joseph Thomas
Robbins, Jack Harry
Robertson, Michael S.
Robinson, Barbara Grace
Rodriguez, Joseph Maria, Jr.
Rogers, Jesse Richard
Ropp, June Delores
Rosenthal, Lois G.
Rosholt, Andrew McKee
Rotureau, Joseph Lawrence
Russell, Lorenzo Carroll
Scott, Jovce Wynelle
Shepherd, Millard Burton, Jr.
Sieg, Geraldine
Silver, Murray Mendel
Sires, Earl W., Jr.
Skeadas, Catherine Christine
Slater, Catherine Ingram
Sluder, Louis B.
Smith, Elmer Kirby
Smith, William Roger
Sojourner, Julia Brabham
Solana, Laura Jane
Spillane, Thomas Michael
Starling, Harold Noel
Steadman, Mark Sidney
Stegin, Dorothy Ann
Stelljes, Catherine Rauer
Stemer, Ross Henry
Stevenson, George Wellington
Stewart, Margaret Ann
Stokes, Robert Joseph
Sullivan, Mary Cecilia
Taylor, Iris Marie
Terrace, Louise Carolyn
Thomas, Harry Howard, Jr.
Thompson, Jasper R.
Thompson, John L.
Thurmond, Jefferson C., Jr.
Tillman, Barney Lee, Jr.
Tootle, Carolyn
Tunno, Dean Dunwoody
Turner, Hubert Francis, Jr.
Turner, James Edward
Turner, Jane Elizabeth
Walden, Edward Ace
Walker, Arnold Bernard
Ward, Sam J., Jr.
Ward, S. Joe, Jr.
Ware, Robert A.
Warren, Mary Jane
Wav, Robert Reynall
Wells, Henry Bradley, Jr.
Wilder, George Clarence
Williams, Barbara Louise
Williams, Lehman William
Wilson, Charles William
Wolson, Freddie Alfred
Wood, Cvrus Steadwell
Woodcock, Waldo Martin
Woods, Betty Lorraine
Woods, Billy Frank
Worrell, Peggy
Worrill, Cecil Warren
Worrill, Raymond C.
Wright, John William
Wyse, Nolie Belle
Yarber Stanley G.

EVENING SCHOOL STUDENTS

Abbott, Laurie Kimball
Anderson, Earl R.
Anderson, Frances
Bacot, Jules
Becton, Joseph Edward
Belsinger, Esther R.
Benton, Daniel W.
Boniface, Robert E.
Briscoe, Marian L.
Briscoe, Robert Edwin, Jr.
Brooks, Henry
Brooks, Mary R.
Brown, Mrs. A. K.
Brown, Norwood
Bruning, John H.
Buckheit, Mrs. Fred L.
Buckshaw, Elizabeth
Burgess, Benjamin F., Jr.

EVENING SCHOOL STUDENTS

Byers, Olga	Johnston, Susie
Byers, William J., Jr.	Kearney, Eugene E.
Cabaniss, Charles W.	King, Basil L.
Capetanakis, Grace	Kulke, Edith
Carter, Clarke L.	Lange, Beatrice
Carter, Mrs. Inez	Langford, Dorothy
Chang, Lie Tien	Langford, Elizabeth
Chaskin, Mrs. Bea	Linton, Dorothy
Chisholm, E. G.	Long, Robert A.
Christian, John A., Jr.	Lunoe, Mrs. R. R.
Claghorn, Ermine	McClelland, Troy
Claghorn, Margaret	McLendon, Lois
Clark, Elizabeth	McDonald, Lehman
Coats, Rose D.	Madden, Dorothy
Coburn, Annette	Marsh, Mrs. Herbert
Cohen, Charlton L.	Martin, Ellen
Cohen, Dena	Martin, Josephine B.
Collier, Martha F.	Meeks, Virginia
Cook, John M.	Miller, Donald
Cowan, Richard	Millett, Howard N.
Cullens, Zack A.	Miscally, Louise
Davis, Clennie U.	Mitchum, Caroline
deValinger, Jean	Mitchum, Dale
Dodd, Harry M.	Mixon, Mrs. Helen C.
Edwards, Charles	Morris, Betty
Elkan, Mabel B.	Morrison, Joseph E.
Ellis, Charles R.	Nease, Mary Lee
Ellison, Mrs. Minnie	Nielsen, Mrs. Dorothy
Fahey, Mary Jane	Norman, Richard S.
Fleming, Louise	O'Neal, Mrs. Barbara Gay
Foran, Juanita	O'Neal, Charles E.
Foss, Henrietta	Osborne, Richard M.
Frazier, Lonnie Jane	Pearson, Mary Louise
Gillikin, Sidney J.	Pollock, Edwin Barnett, III
Gillis, Mrs. Vera B.	Reardon, Thomas P.
Goette, Mary	Reed, Doris
Goette, Catherine	Ricks, Connie
Gordon, Margaret	Robbins, Jack Harry
Graham, Joan	Robbins, Norman
Griffeth, Frances Coats	Robertson, Edgar
Groover, Anna	Roval, Mrs. Margaret
Harden, Clarence	Ruble, Lenore J.
Harris, Cecile	Salter, Mrs. Jesse
Hart, Edgar	Sanders, Mrs. R. B.
Hayes, Barnita D.	Schaupp, Virginia
Hayes, Mrs. G. Carey	Schreck, Mrs. Essie
Hinely, Mrs. Maude	Schreck, Joseph
Hitchcock, George D.	Semmes, Betty K.
Hodge, A. M.	Settle, Frances B.
Hollingshead, Gladys	Shaw, Horace William
Hollingsworth, Joseph G.	Shealy, Henry C.
Holloway, Elizabeth C.	Sheridan, Olive S.
Hopkins, Roderick	Silver, Julian Graham
Jasmire, Mrs. Mary	Slotin, Mrs. Louis
Johnson, Herbert P.	Smith, Richard C., Jr
Johnson, Sarah M.	Sowell, Mary

EVENING SCHOOL STUDENTS

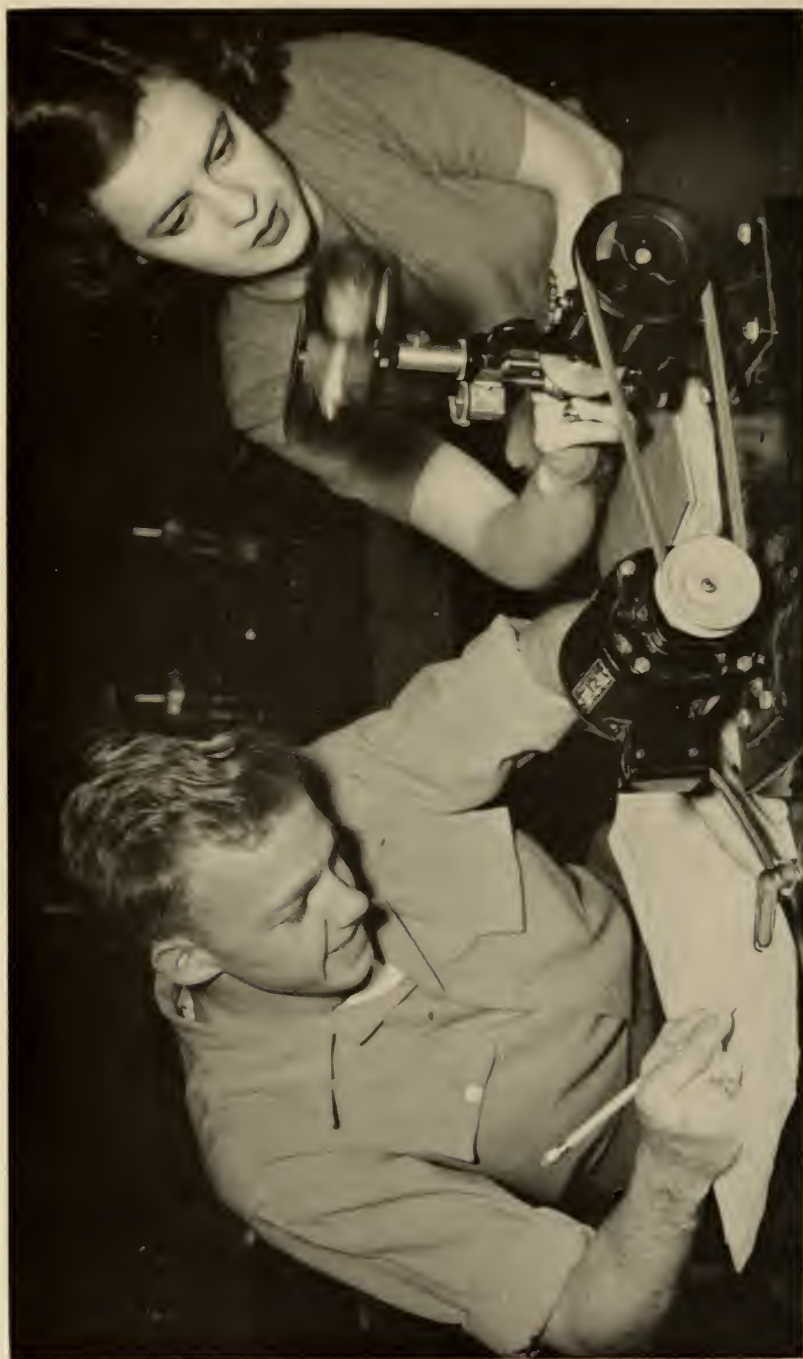
Southwell, Robert N.
Stevens, Mrs. John J.
Tarver, J. W., Jr.
Thorpe, Sarah M.
Traylor, Henry M.
Trotman, Robert B.
Turner, Mrs. Gloria
Turner, Morton
Underwood, Mrs. Lucile
Vaughndorf, Betty
Walker, Lucille
Ward, Thornton A.

Webster, Charles B.
Weinbrecht, John W.
White, Maie
Williams, Carolyn
Williams, Mrs. Helen Strobhar
Williams, W. H.
Willoughby, Mrs. Agnes
Willis, Allen N.
Wolfe, Mrs. John Saxton
Wooten, Clarence D.
Wren, Mrs. Lillian S.
Zabner, Irving

WARREN A. CANDLER NURSES

Barfield, Ann
Blackburn, Virginia
Buchanan, Annie Nell
Carter, Cora Jacqueline
Carter, Dannie
Cook, Jerry
DeLoach, Leola
Harvey, Melba
Johnson, Jo Anna
Jones, Barbara
Kent, Editha

Long, Hazel
Reid, Ida
Shaw, Dorothy
Spence, Nettie
Smith, LaVerne
Stewart, Marian Frances
Tuttle, Jimmie
Waters, Beulah Ruth
Warnelle, Marilyn
Wilson, Gilda



Measuring centrifugal force in physics lab.

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BULLETIN OF

ARMSTRONG COLLEGE

1949-1950

A City Supported College of Savannah, Georgia



Ref
378.02
A735
V17

Volume XIV

Number 1

For Reference

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1949 - 1950

FALL

WINTER

SPRING

SUMMER

Bulletin of
Armstrong College

A Junior College Maintained
by the City of Savannah



18341

Membership In

American Association of Junior Colleges
Southern Association of Colleges and Secondary Schools
Association of Georgia Colleges

VOLUME XIV

NUMBER 1

ARMSTRONG COLLEGE
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ACADEMIC CALENDAR

1949-1950

FALL QUARTER

Faculty Workshop	September 15-17
Freshman Week	September 19-23
Registration	September 23
Classes begin	September 26
Mid-term reports due	October 28
Thanksgiving Holidays	November 24-27
Pre-registration	December 7-9
Examinations	December 14-17
Homecoming	December 19
Christmas Holidays	December 18-January 1

WINTER QUARTER

Registration	January 2
Classes begin	January 3
Mid-term reports due	February 3
Pre-registration	March 6-8
Examinations	March 13-16

SPRING QUARTER

Registration	March 20
Classes begin	March 21
Mid-term reports due	April 21
Examinations	June 5-8
Sophomore Party	June 9
Sophomore-Alumni Luncheon	June 10
Graduation	June 12

SUMMER QUARTER

Registration	June 19
Classes begin	June 20
Holiday	July 4
Examinations	July 28

Administration

THE COLLEGE COMMISSION

HERSCHEL V. JENKINS	<i>Chairman</i>
WILLIAM MURPHEY	<i>Vice-Chairman</i>
MORRIS BERNSTEIN	W. LEE MINGLEDORFF, JR. <i>Ex officio</i>
JACK J. COOK, <i>Ex officio</i>	G. PHILLIP MORGAN, SR.
OLIN F. FULMER, <i>Ex officio</i>	MRS. WILLIAM F. ROBERTSON
JAMES P. HOULIHAN, <i>Ex officio</i>	FRED L. SHEAROUSE
	ALFRED T. VICK, <i>Ex officio</i>

THE FACULTY

FOREMAN M. HAWES, A.B., M.S.	<i>President</i>
ARTHUR M. GIGNILLIAT, A.B., M.A.	<i>Registrar</i>
W. ORSON BEECHER, A.B., M.A.	<i>Dean of Students</i>
FRANCIS M. BRANNEN, B. S.	<i>Business Manager</i>

W. ORSON BEECHER, A. B. and M.A., Emory University; M. A., University of Georgia.

Instructor in History

JOSEPH W. BERG, B.S., University of Georgia.

Instructor in Mathematics and Physics

LAURA BLAKELEY, B.S. and M.A., Peabody College.

Instructor in Mathematics

FRANCIS M. BRANNEN, B.S. in Chemical Engineering, Georgia School of Technology.

Instructor in Engineering

R. CLIFTON CAMPBELL, B.A. and M.A., Emory University.

Instructor in History and Political Science

ARTHUR M. CASPER, B.S., Beloit College; M.S., University of Wisconsin.

Instructor in Physics and Mathematics

ANNA CONE, Associate in Liberal Arts, Armstrong College; B.A., University of Georgia.

Secretary to the Dean of Students

ANNE CROLLY, B.A., Ursuline College of New Orleans.

Assistant Registrar

L. ROSS CUMMINS, B.S., Yale University; Intern Psychologist, Norwich, Conn., State Hospital.

Instructor in Psychology

Director of Community Guidance Center

HARRIET DAVIS, A.B., University of North Carolina.

Publicity

LAMAR DAVIS, B.S., University of South Carolina.

Instructor in Business Administration

LILLIAN DOUGLAS, B.S., Birmingham-Southern College; M.S., Emory University.

Instructor in Chemistry

ANDREW DOYLE, A.B., M.A., Catholic University of America.

Instructor in Psychology and Sociology

ELEANOR J. DOYLE, B.S., Immaculata College; M.A., Catholic University of America.

Instructor in Spanish and Latin American History

MARTHA BOZEMAN FAY, B.A., Rockford College; M.A. and Ph.D., University of Illinois.

Instructor in Biology

ARTHUR M. GIGNILLIAT, A.B. and M.A., University of Georgia.

Instructor in English

NOMA LEE GOODWIN, A.B. and M.A., Duke University.

Instructor in English

CHARLES E. HOWARD, B.S., Troy State Teachers College; M.A., Peabody College for Teachers.

Instructor in English

JOSEPH I. KILLORIN, A.B., St. Johns College.

Instructor in History

MARGARET SPENCER LUBS, B. Mus., Converse College; A.B., University of Georgia; M.A., Columbia University.

Instructor in French

DOROTHY MORRIS, B.S., University of Tennessee.

Instructor in Physical Education

MARJORIE A. MOSLEY, Associate in Finance and Commerce, Armstrong College.

Secretary to President

HINCKLEY A. MURPHY, B.A., Vanderbilt University.

Instructor in English

JOSIE R. NELSON, Graduate of Banks Secretarial School.

Bookkeeper

V. ENNIS PILCHER, B.S. and M.S., Emory University.

Instructor in Physics

WILLIAM S. POLLITZER, A.B. and M.A., Emory University.

Instructor in Biology

IRVINE N. SMITH, A.B., and M.A., University of North Carolina.

Instructor in English

NANCY PAGE SMITH, B.M., Eastman School of Music of the University of Rochester; M.A., University of North Carolina.

Director of the Glee Club

SIDNEY R. SMITH, B.S.E.E., Georgia School of Technology; B.S.E.E., Columbia University.

Instructor in Engineering

MARGARET FORTSON STEPHENS, A.B., LL.B. and M.A., University of Georgia; Certificate from the Sorbonne, Paris, France.

Instructor in English

MARY STRONG, A.B., University of West Virginia.

Instructor in English

CARLSON R. THOMAS, B.A., University of Richmond; M.A., University of North Carolina.

Director of Savannah Playhouse - Instructor in Dramatics

DOROTHY M. THOMPSON, A.B., Monmouth College; M.A., Northwestern University; Certificate of Psychiatric Social Work, Western Reserve University.

Instructor in Psychology and Sociology

CARMEN TORRIE, B.S., Concord College; M. S., University of Tennessee.

Director of Athletics and Instructor in Physical Education

CHARLES B. VAIL, B.S., Birmingham-Southern College; M.S., Emory University.

Instructor in Chemistry

HELEN C. WOLF, B.S., Columbia University.

Instructor in Home Economics

HELEN E. WOODWARD, A.B., Maryville College; B.S., Peabody College; M.A., Vanderbilt University.

Librarian

LOUIS J. ZAHN, A.B. and M.A., Emory University.

Instructor in Spanish and German

GLADYS NICHOLS ZILCH, Diploma from the Gregg School of Chicago.

Instructor in Commerce

General Information

HISTORY AND ORGANIZATION

Armstrong College was founded on May 27, 1935, by the Mayor and Aldermen of the City of Savannah to meet a long-felt need for a junior college. The first college building was the magnificent home of the late George F. Armstrong, a gift to the city from his widow and his daughter. The former home, now called the Armstrong Building, is an imposing structure of Italian Renaissance architecture; inside, its spacious rooms and marble halls lend an air of dignity, while outside it is one of the most beautiful college buildings in the South.

Over the years, through private donation and public appropriation, the campus has been enlarged until now it includes four additional buildings: the Lane Building, a gift of the late Mills B. Lane, prominent banker; John W. Hunt Memorial Building in which are located the Student Center, the Home Economics Department, the Women's Lounge, and the Music Room; Herschel V. Jenkins Hall, which contains the auditorium, theater for the Savannah Playhouse, and classrooms; and Thomas Gamble Hall, site of science lecture rooms and laboratories.

Three of the buildings face forty-acre Forsyth Park, the most beautiful park in the city; the other two face Monterey Square, one of the carefully planned squares for which Savannah is famous.

Hodgson Hall, across from Forsyth Park on Whitaker Street, contains the college library as well as the Library of the Georgia Historical Society, to which Armstrong students have access.

The college is under the control of a commission of six members, appointed by the Mayor. In addition, the commission includes as ex-officio members the Mayor, the Chairman of the Chatham County Board of Education, the Chairman of the County Commissioners, the Superintendent of the Board of Education, and the President of the Savannah Chamber of Commerce.

Except for the war years, enrollment has shown a steady increase until the present student body numbers approximately five hundred. As need arises, the curriculum is enlarged and modified to meet new demands.

AIMS

The college seeks to serve the community by giving the men and women who attend its classes a better understanding of the world in which they live and the experience of adapting knowledge to meet the obligations and responsibilities of citizenship.

The student may complete one or more of the following objectives:

1. Receive additional liberal education stressing how to live more abundantly;
2. Complete the freshman and sophomore years of the four-year senior college program leading toward the A. B. and B. S. degrees.
3. Finish two years of pre-professional work leading toward medicine, dentistry, law, home economics, the ministry and other professions.
4. Graduate from a semi-professional program, prepared to go into business or industry.

The college awards the degree of Associate in Arts to students completing an approved program.

ADMISSION TO THE COLLEGE

(For dates see calendar on page 2)

A student planning to enter Armstrong should obtain from the Registrar an "Application for Admission Card." The student should complete this form and return to the Registrar. **REQUEST THE HIGH SCHOOL PRINCIPAL, OR THE COLLEGE REGISTRAR** (in the case of a transfer student), **TO SEND A TRANSCRIPT OF CREDITS** to the Registrar, Armstrong College, Savannah, Georgia.

Having checked the student's records for compliance with the minimum requirements for admission, the Registrar will send a notice to the student that he has been admitted to the college, together with certain physical examination forms which must be completed and returned before the student can complete registration. The applicant will be notified of the dates of the next aptitude testing program. These tests do not affect a student's entering Armstrong, but will enable the counseling staff to assist him in selecting a program of study upon entrance. **STUDENTS ARE REQUIRED TO TAKE THESE TEST MEASUREMENTS BEFORE REGISTRATION.** The Registrar welcomes personal interviews with individuals planning to further their formal education.

REQUIREMENTS FOR ADMISSION

BY CERTIFICATE

1. A candidate for admission to Armstrong College by certificate must be a graduate of an accredited high school with sixteen units of credit.
2. No subject-matter units are prescribed. The high school program should be of such nature as to give satisfactory preparation for beginning college studies. Subjects which may be expected to contribute to this end are English composition, literature, natural science, history and other social studies, foreign languages, and mathematics. The right is reserved to reject any applicant whose high school program does not indicate adequate preparation for college work.
3. A record of high school credits earned by the applicant should be made out on the proper forms by an official of the high school and mailed directly to the office of the Registrar. This certificate becomes the property of the college and cannot be returned to the applicant.
4. Three units in mathematics and one in physics or its equivalent is pre-requisite for admission to the freshman class in engineering.

BY EXAMINATION

Students beyond high school age, who do not meet the above requirements for admission by certificate, may take the General Educational Development tests (high school level) at the local Community Guidance Center. The student will be admitted to college on the basis of his scores. Entrance examinations should be completed at least one week before registration. Additional information may be secured from the Registrar.

ADMISSION TO ADVANCE STANDING

Advanced credit will be allowed for work done in other institutions of proper rank and standing and for schools and experiences in the Armed Services. Only 10 per cent of the total number of hours transferred will be accepted in "D" grades. All work presented for advanced standing will be evaluated by the Registrar. To receive a diploma from Armstrong College, a student must be in attendance the two quarters preceeding graduation, taking a normal load, and, in addition, must satisfy the requirements of a particular course of study. Adults (students over 21 years of age) may receive credit for certain college work on the basis of the General Education Development tests at th junior college level.

ADMISSION OF VETERANS OF WORLD WAR II

Armstrong College will accept veterans who are not high school graduates if their official GED test records in the local Community Guidance Center show scores that indicate the applicant's ability to do college work. Many students have attended Armstrong under the provisions of Public Laws 16 or 346. Certificates of eligibility should be secured from the Veterans Administration prior to registration.

ADMISSION OF SPECIAL STUDENTS

Adults desiring to enroll in courses for their intrinsic value but not desiring transfer credit may be enrolled as special students. Requirements pertaining to entrance examinations, physical examinations and physical education courses do not apply to these students.

FEES

Tuition will be charged as follows:

For 12 quarter hours or more		
For Residents of Chatham County	For Other Residents Of Georgia	For Non-Residents Of Georgia
\$50.00	\$60.00	\$75.00
For each quarter hour less than 12 quarter hours		
\$4.25	\$5.00	\$6.25

All veterans must present a certificate of eligibility the first time they register at Armstrong College. Veterans once enrolled do not require a supplementary certificate unless they have used the G. I. Bill since the last quarter they were registered at the college. **STUDENTS WHO REQUIRE A CERTIFICATE BUT HAVE NOT OBTAINED IT PRIOR TO REGISTRATION WILL BE REQUIRED TO PAY CASH WHICH MAY BE REFUNDED UPON RECEIPT OF CERTIFICATE.**

A student activity fee of \$5.00 per quarter will be charged all students. This fee will entitle the student to subscriptions to the 'Geechee and other college publications and the admission to college-sponsored dances, the Playhouse and athletic events.

Students taking laboratory work will be required to pay a fee for materials and equipment. This fee is indicated in the description of courses found under "Course Descriptions" elsewhere in this bulletin.

A late registration fee of \$2.00 for one day late, \$5.00 for two days late and \$10.00 for three or more days late will be charged any student who fails to register and pay fees on the day designated for registration unless he presents a doctor's excuse. In no event will the late registration fee exceed \$10.00.

Any student who desires to take more than 18 quarter hours per quarter must have the Registrar's approval.

Anyone wishing to audit a course (but not receive college credit) may do so with permission of the instructor by paying a fee of \$10.00 per course.

A fee of \$7.50 will be collected from each candidate for graduation to cover the cost of three invitations, diploma, and rental of cap and gown.

Any student delinquent in the payment of any fee due the college will have grade reports and transcripts of records held up, and will not be allowed to re-register at the college for a new quarter until the delinquency has been removed.

Each student leaving Armstrong College is entitled to one official transcript of his college work. The charge for additional copies is \$1.00 each. Written requests for transcripts are complied with promptly when received in the Registrar's office.

REFUNDS

Refunds of fees and tuition will be made ONLY upon written application for withdrawal from school.

Students who formerly withdraw after the first scheduled day of registration will be entitled to a refund as per the following schedule:
One calendar week or less after date

80% of fees paid for that quarter;

Between one and two calendar weeks

60% of fees paid for that quarter;

Between two and three calendar weeks

40% of fees paid for that quarter;

Between three and four calendar weeks

20% of fees paid for that quarter.

After four weeks no refunds will be made.

No refunds will be made to students dropping a course.

COUNSELING STAFF

The Counseling Service of Armstrong College, in connection with the Office of the Dean of Students, offers help in solving problems connected with the student's pursuit of the college program. The counselors are regular instructors in the college who have special training which enables them to offer individual, confidential, non-disciplinary help at the student's own request.

The help which counselors can give does not in any sense replace or conflict with the help given by individual instructors in their courses, from whom students are urged to request help when the difficulty is one concerned with the subject itself and having no complications. The area with which counselors are usually concerned are choices of vocation, the planning of work in college, study habits generally and personal adjustment to college life. These are the core-functions of the counseling staff. Those problems which do not fit into these general categories either because of greater intensity or critical development are referable to community agencies outside the college if the student or his guardians so agree. The Counseling Staff has advisory capacity to refer cases which give evidence of critical need of outside attention after proper consultation with the agencies concerned, equal to, but not exceeding, the right of any citizen in a like case.

The main function of the counselor is to help the student work out his own problem successfully, and the only administrative function which the staff has is to plan with every student in advance of registration his work at the college, and, two quarters before the student's graduation, to give, dated, in writing, his formal approval of the student's program for graduation. The responsibility for securing this approval rests with the student, although the college will send out a written notice to the student to consult with a counselor.

LIBRARY

Hodgson Hall houses not only the library of Armstrong College, but also that of the Georgia Historical Society. Since all books are on open shelves, students have immediate access to both collections. The reading room, which has recently been redecorated, is well lighted, most attractive and popular among the students. One section of this room is furnished with lounge chairs and opens into a garden, which is also an added attraction to many readers.

The library's holdings consist of a very good collection of standard reference books and fiction totaling over 10,000 volumes. There are more than 100 periodical subscriptions, including seven newspapers, four of which are dailies.

In addition to the resources of the college library, students are encouraged to use the Savannah Public Library, which has a good reference department and much material of interest to students, including a large collection of fiction, government documents, microfilm copies of newspapers, and music records. The main building is on Bull Street and has a union catalog, listing the holdings of the Downtown branch, Waters Avenue Branch, and of the Georgia Historical Society.

The library is fortunate in being the recipient of an outstanding collection of history books, a gift of the late Mayor Thomas Gamble, of Savannah.

Under the supervision of a trained librarian, two full-time assistants, and eight student assistants, the library is open on certain evenings for the use of the night school students, and each school day from 8:30 A. M. to 5:30 P. M.

COMMUNITY GUIDANCE CENTER

In December 1945 the Guidance Center began operation as a vocational counseling service under a contract between Armstrong College and the Veterans Administration. This contract is one of five similar arrangements in the State of Georgia; and it enables Armstrong to employ a staff of professionally trained personnel to help veterans with their vocational planning problems. By the Spring of 1949 approximately 3,800 veterans from a 38-county territory had taken advantage of this service, which the federal government provides free of charge to all men and women who served in the U. S. Armed Forces during World War II.

The counseling procedure consists mainly of helping clients discover or verify their assets and limitations (through testing of mental ability, special aptitudes, school achievement, interest pattern, and personal adjustment), and to relate this information about themselves to the "world of work" (through discussion, reading in occupational information files, and conference with persons already successful in occupations which seem interesting to the client).

In September 1946 the Guidance Center extended vocational counseling service to a limited number of young people and adults from the community-at-large on a "private" clinic, fee basis. Armstrong students, as referred by the faculty Counseling Committee, may be accepted without charge. At this same time the Guidance Center began to function as a psychological diagnostic clinic for children sent in by the schools, health and welfare agencies.

The Center is located in the Lane Building at 20 West Gaston Street, with testing and vocational counseling on the ground floor, and the Mental Hygiene Clinic occupying half of the main floor.

AUDIO-VISUAL INSTRUCTION

Many of the classrooms of the college are equipped with screens for the showing of films, which are used extensively by all of the departments. In the teaching of English, foreign languages and music, visual aids are supplemented by recordings.

UNIVERSITY OF GEORGIA OFF-CAMPUS CENTER

The President of Armstrong College is ex-officio University of Georgia representative in Savannah in the operation of the Off-Campus Center. The Center is supervised by a full-time director and utilizes the college plant. The evening college and work beyond the level of the junior college are under the supervision of the Off-Campus Center.

HOMECOMING AND OPEN HOUSE

Twice each year the college invites the public to visit the campus. The week before Christmas, Homecoming is celebrated for all alumni and students with a parade in the afternoon, a reception in the evening followed by an intercollegiate basketball game and the Christmas dance. All alumni, students and their friends are invited to attend.

During the Spring, the college is open to the general public for inspection during its annual Open House. Exhibits are prepared by the various departments interpreting the work done in the junior college. Those desiring may make tours of the college buildings and attend a social hour in the Home Economics Department.

STUDENT ASSISTANTS AND ASSOCIATES

The college employs each year a number of student associates and assistants to work with the faculty. These students find employment in the library, science laboratories, business office, and with the faculty. Students desiring one of these jobs should apply through the department in which he is interested or to the President.

SCHOLARSHIPS AND LOANS

There are a number of scholarships and loans available for students. Application blanks may be secured by a request addressed to the President of Armstrong College. Applications for scholarships and loans for the school year beginning in September must be on file in the President's office by July 15. Applicants will be notified when personal interviews are scheduled.

PLACEMENT SERVICE

The Publicity Director at the college maintains a placement service for the benefit of employers and students. Anyone seeking part-time employment while in college, or full-time employment after leaving college, should place his name on file with this official.

COMMENCEMENT EXERCISES

Commencement exercises are held once each year in June. At this time the degree of Associate in Arts is awarded to those students who have met the requirements for graduation. Recognition is given to those students who win scholarships and those who qualify for scholastic honors. The Faculty and Graduates participate in full academic dress.

STUDENT CENTER

The college does not operate dormitories. The Student Center in the Hunt Building is open throughout the college day, affording recreation between classes. A snack bar serves hot lunches as well as cold snacks. A book store is also operated for the student's convenience.

STUDENT ACTIVITIES

The entire program of extra-curricular activities at the college is designed to help develop the whole individual and to assist him in becoming an active member of the community. The program comes directly under the Dean of Students who is assisted by the Student Senate, composed of representatives from each recognized club or group. Each student is urged to participate in those activities which appeal to his interests or meet his needs.

ATHLETICS

The college engages in inter-collegiate basketball. All other sports at the college are operated on an intramural basis. Armstrong College was the champion of the Georgia Junior College League in 1948 and a semi-finalist in 1949.

INTRAMURAL SPORTS

Intramural teams are organized into a men's league and a women's league for competition in certain major sports. At the end of the school year the champion in each league is awarded a trophy.

SOCIAL CLUBS

The college recognizes certain groups which are organized to foster social life among the students at the college.

PRE-PROFESSIONAL CLUBS

Some clubs are organized to acquaint students with the ideals and objectives of certain professional groups, as in the engineering and the science clubs.

CLASS CLUBS

These clubs are designed to encourage students to pursue their various intellectual interests beyond the instructional activities of the classroom, as the French club, psychological-philosophical seminar, and others.

PUBLICATIONS

The college publishes the Inkwell, a newspaper; the Mercury, a magazine; and the 'Geechee, a year book. These afford students an opportunity to express their opinions on a wide variety of topics and practice in the various journalistic activities.

RECREATION CLUBS

Armstrong is a community college. To fulfill this mission, the college extends its activities beyond the student body, inviting all interested citizens of the community to participate in different recreational groups. Outstanding among these is its community playhouse whose program is presented in detail below. Other recreation clubs are the Glee Club, Film Forum, Great Books Seminar, the Music Club and other cultural groups. Members of the community, though not registered at the college, who are interested in any of these cultural activities are invited to participate.

SAVANNAH PLAYHOUSE

The Savannah Playhouse of Armstrong College is an example of a community project sponsored and directed by the college. Local citizens as well as students may gain here actual experience in acting, designing, construction, lighting, make-up and all the theater skills that make a good production.

Reactivated in 1947 after a five-year suspension of activity, the Playhouse quickly established its reputation as one of the leading non-professional theaters in the South with a calendar of five dramatic productions playing a total of 28 regular performances.

Major productions during the last two seasons include *My Sister Eileen*, *Winterset*, *The Importance of Being Ernest*, *Life With Father*, *Green Grow The Lilacs*, *Angel Street*, and *The Taming of The Shrew*.

Students may work with the Playhouse as an extracurricular activity or may earn college credit by taking the course listed under "Drama." Tryouts for roles in major productions are open to the public as well as students.

During the month of May the Playhouse inaugurated its first Drama Festival with a repertoire of three plays, two of which were shown each day for an entire week. This festival received nationwide recognition.

General Regulations

COUNSELING

To help a student "find himself" and select a definite objective early in his college program, the counseling staff administers to each entering freshman a series of interest, aptitude, and achievement tests. In the fall, these are given during Freshman Week and are scored prior to the student's interview with the Counselor. On the basis of these objective measurements, the student's previous record, his interests and his family counsel, the student with the aid of his advisor decides on a program of study which will enable him to accomplish his purpose.

PHYSICAL EXAMINATIONS

All regular students are required to enroll for courses in physical education. Each student must submit a completed physical examination report on the forms furnished by the college before he can complete his registration. On the basis of the examinations, the physical education department will adapt a program of training suited to individual requirements.

COURSE LOAD

The unit of work for a regular student is 15-18 quarter hours per quarter. A nominal schedule of sixteen quarter hours presupposes that the average student will devote approximately forty-eight hours per week to his college classes and to his preparation therefor.

Permission to enroll for more than 18 quarter hours will be granted by the Registrar when curricular requirements make such action necessary, or when evidence as to the capacity of the student seems to justify that the privilege be granted.

Should a student's work load fall below the normal schedule, the student's parent or guardian (in case of veterans attending school under Public Law 16 and 346, the Veterans Administration) will be notified.

ADMISSION TO CLASS

Students will be admitted to class when the instructor is furnished by the Registrar an official class card indicating that he has completed his registration and paid his fees in the Business Office.

CONDUCT

Armstrong students are expected to conduct themselves as ladies and gentlemen. Compliance with the Commission and faculty regulations is assumed. The use on the campus of intoxicating beverages, gambling, and hazing are prohibited. The faculty approved the recommendation of the Student Senate for consideration and handling of honor infractions in class work. This provision and other instructions contained in the Armstrong Handbook are official regulations.

REPORTS AND GRADES

It is felt by Armstrong College that students in college should be held accountable for their own scholarship. Accordingly, report cards, warnings of deficient scholarship and other such notices are not sent out to parents or guardians by the college except by request. Instead the students themselves receive these reports and are expected to contact the counseling staff whenever their work is unsatisfactory. Report cards are issued at the end of each quarter. Reports of failing grades are issued in the middle of each quarter. Each student has access to the counseling staff, made up of the faculty members for purposes of advisement; and in addition, the Registrar, Dean of Students, and all instructors are available to help and advise any student seeking assistance.

Reports are based on the following system of grading:

A plus	Exceptional	4 honor points per quarter hour
A	Excellent	3 honor points per quarter hour
B	Good	2 honor points per quarter hour
C	Fair	1 honor point per quarter hour
D	Poor	No honor points per quarter hour
E	Conditional Failure	Conditions must be removed before mid-terms of the following quarter
F	Failure	Course must be repeated
W	Withdrew	Course must be repeated
W-F	Withdrew Failing	Course must be repeated

An "E" (conditional failure) may be removed by means stipulated by the instructor of the course in which the student received the grade "E". An "E" not removed by the mid-term of the succeeding quarter automatically becomes an "F". If a course in which an "E" grade was received is repeated an "F" will be entered in the place of the "E" for the first time the course was taken.

HONORS

Students who have been in attendance for three consecutive quarters taking a normal load and have achieved an average of "B" or better with no grades below that of "C" will be placed on a Permanent Dean's List in a book for that purpose kept in the office of the President. This list is published each June in the commencement program.

Graduates who meet the requirements for the Permanent Dean's List and who are graduating with an average of three honor points per quarter hour, will be designated as graduating summa cum laude (with highest distinction). The designation cum laude (with distinction) will be bestowed upon those meeting the above requirements with an average of two honor points per quarter hour.

A valedictorian will be selected by the graduating class from among the five students with the highest scholastic averages in the work completed before the term in which the students graduate.

Students who make a grade of "B" or better in each course during any quarter will be placed on the Dean's Scholastic Attainment List.

ATTENDANCE

Students are expected to attend classes as scheduled. Any absence, whatsoever, from class work entails a loss to the student.

A student will be automatically dropped from a course when he has been absent from class, for whatever cause, a number of times equal to one-third of the times the class is scheduled to meet during the quarter.

Students are required to attend the college's bi-weekly assemblies. Official announcements are made at these meetings.

WITHDRAWALS

A formal withdrawal, presented to the Registrar in writing, is a prerequisite for honorable dismissal from, or re-entrance into, this institution. Any student planning to withdraw should immediately make such intentions known to the administration of the school in writing. This notice is required to receive any authorized refunds.

In order that a student may not receive a failing grade on his permanent record in the Registrar's office, he should make formal withdrawal from any class which he stops attending. The instructor's approval should be brought to the Registrar's office in writing.

Students will receive a prejudicial grade in a five-hour course dropped after the second week or in a three-hour course dropped after the third week of a quarter unless there are extenuating circumstances approved by the instructor.

DISMISSALS AND PERMISSION TO RE-REGISTER

Any student failing (except in cases excused before examinations on account of illness) to pass at least one course other than physical education in any one quarter will be dropped from the rolls of the college. Any student who fails to make an average of at least 0.6 honor points per quarter hour in all work scheduled during the first three quarters work at the college will not be allowed to re-register. Withdrawal is recommended to all students who have less than "C" average at the end of the fourth quarter of college work. At the end of the sixth quarter's work a student must have 0.8 honor points per quarter hour in all work scheduled in order to re-register.

The honor point average is computed by dividing the total number of honor points which a student has earned by the total number of hours of class work for which he has registered, omitting only the courses in which the grade of "W" was received.

GRADUATION

In order to graduate, a student must complete with a "C" average a program of study consisting of approximately 100 hours which has been approved by a member of the counseling staff. Students lacking 10 quarter hours or less for graduation may complete these hours at an accredited senior college and receive a diploma from Armstrong College upon application, furnishing the college with a transcript of the completed work.

At least two quarters prior to expected graduation, a student should make application in the Registrar's office to be considered a candidate.

RECOMMENDATIONS

The recommendations issued by the college are written in terms of the grades the student earns, and what his teachers think of him as expressed by them on a student rating form. These reports are part of his permanent record.

The records of the Registrar's office are consulted regularly by representatives of the Federal Bureau of Investigation, the Civil Service, the local Credit Bureau and other agencies having access to confidential records. These records are of vital importance to the student.

Curricula

GENERAL

PLAN A PROGRAM OF STUDY WITH THE COUNSELING STAFF. Even if a student knows what studies are required of him to graduate he should have on record in the Dean of Students' office a record of his program.

The Associate in Arts degree is conferred upon all students who complete at Armstrong College a program of study agreed upon by the student in consultation with a counselor. It is expected some students will want to change their objectives. The college desires to help them "find themselves". Should a student change the objective for which he originally planned his program of study, he should see his counselor and discuss with him his new objective. This program of study can not be materially changed during the two quarters prior to the expected graduation date.

After a full discussion and consideration of his interests and qualifications with parents and friends who can help him, and after interviews with members of the faculty and the counseling staff, the student should decide what he is going to study. Especially trained personnel, comprising the counseling staff, will make an appointment with the student before he completes registration. Together with his counselor, the student will work out a tentative list of the subjects to be taken during each of the quarters he plans to be at Armstrong. This list will be kept for future reference so that he may build his program each quarter with a definite goal in mind.

If the student changes his objective and wishes to change his program of study, he will report this fact to the counseling staff.

If completion of his training involves going to another school after he leaves Armstrong, the following steps are urgent:

Secure the college's catalog and see what courses must be completed at Armstrong College to meet the degree requirements at the senior college;

Schedule the prerequisites for the courses to be taken later; Make a list of the subjects to be taken at Armstrong College for each of the quarters before transferring, and be sure it includes all of the courses required for the junior class standing, if possible.

The curricula hereafter outlined are suggestive only. They may be materially changed by the student in conference with his advisor, who will assist him to build a course of study upon his own in-

terests, abilities and previous training in the light of his chosen objective.

Subjects listed from 10 through 19, indicate work that is usually taken in the freshman year and from 20 through 29, subjects recommended for study in the sophomore year.

THE CORE CURRICULUM

There are certain bodies of knowledge and certain skills indispensable to every college trained man and woman. The understanding of one's environment and man's struggle to adapt it to useful ends; the ability to communicate his thoughts and feelings; right group-attitudes and coordinated physical activity—these objectives are set up in the following courses required of all students desiring to graduate from the college. An equivalent course taken at another institution is acceptable.

Freshman year: English 11-12-13; History 11-12-13; ten quarter hours of a laboratory science, and three quarters of physical education.

Sophomore year: English 21-22-23 and three quarters of physical education.

Students graduating in less than the six quarters of the regular session should ask their counselor to qualify their physical education requirements accordingly. Physical Education should be taken in the proper sequence and two courses should not be scheduled in any one quarter.

ASSOCIATE IN ARTS

CONCENTRATION-GENERAL

TERMINAL

Many students will not continue their formal education after leaving Armstrong. To these students the college gives the opportunity to select either those subjects which are liberal in nature, giving one a better understanding of himself and his environment; or those subjects which have a vocational value; or a combination of both. Including the core curriculum, the student will complete 100 hours from the following suggested fields:

Commerce
English
Fine Arts

Foreign Languages
Home Economics
Mathematics

Science
Social Studies

ASSOCIATE IN ARTS

CONCENTRATION-COMMERCE SECRETARIAL

TERMINAL

This program is designed to meet the needs of those students who wish to qualify for clerical positions in business. Including the core curriculum, the student will complete 100 hours from the following suggested fields:

Accounting	Calculating Machines	Typing
Business Communications	Office Practice	Electives
Business Law	Shorthand	

ASSOCIATE IN ARTS

CONCENTRATION-COMMERCE and
BUSINESS ADMINISTRATION

SENIOR COLLEGE PREPARATORY

Many students will wish to continue their business studies in a senior college. Including the core curriculum, these students select 100 hours from the following subjects:

Accounting	Foreign Languages	Political Science
Commerce	Mathematics	Psychology
Economics	Natural Sciences	Electives

ASSOCIATE IN ARTS

CONCENTRATION-HOME ECONOMICS

SENIOR COLLEGE PREPARATORY

The vocational opportunities in this field are numerous. Preparation for marriage and personality development are other objectives in some of the Home Economics courses. Including the core curriculum, the student will complete 100 hours from the following courses:

Art	Foods	Orientation
Basic Mathematics	Home Furnishings	Psychology
Child Psychology	Natural Sciences	Sociology
Clothing	Nutrition	Electives

ASSOCIATE IN ARTS

CONCENTRATION-LIBERAL ARTS

SENIOR COLLEGE PREPARATORY

This program is recommended for candidates for an A. B. degree, pre-law, pre-ministerial, journalism, and other pre-professional concentrations. Including the core curriculum, the student will complete 100 hours from the following areas of study:

Economics	History	Sociology
English	Natural Sciences	Electives
Fine Arts	Political Science	
Foreign Languages	Psychology	

ASSOCIATE IN ARTS

CONCENTRATION-SCIENCE

SENIOR COLLEGE PREPARATORY

This program is recommended for candidates for the B. S. degree, pre-medical, pre-dental and pre-veterinary medicine students and laboratory technicians. Including the core curriculum, the student will complete 100 hours from the following:

Biology	Mathematics	Electives
Chemistry	Physics	
Foreign Languages	Social Studies	

ASSOCIATE IN ARTS

CONCENTRATION-ENGINEERING

SENIOR COLLEGE PREPARATORY

This program should be varied for certain fields such as chemical, electrical, etc. The student should obtain a catalog from the senior college he plans to attend and have his counselor check his program with him against the catalog. While ALL of the subjects required in the freshman and sophomore years in some engineering courses cannot be offered at Armstrong College, the student can spend profitably two years studying for his bachelor's degree in engineering. The counselors will advise you.

Chemistry	Mathematics	Social Studies
Engineering	Physical Education	
English	Physics	

ONE-YEAR STENOGRAPHIC COURSE

A letter certifying proficiency in secretarial courses will be awarded students completing the one-year stenographic course. A student who knows he has only one year to attend college may herein master the tools that will better enable him to earn a livelihood.

Accounting	Physical Education	Electives
Business Correspondence	Shorthand	
Office Practice	Typing	

Course Descriptions

GENERAL

Armstrong College reserves the right to (1) withdraw any course for which less than ten students register, (2) limit the enrollment in any course or class section, (3) fix the time of meeting of all classes and sections, and (4) offer such additional courses as demand and staff personnel warrant.

No credit will be given in beginning courses in commerce and languages where the same or similar courses have been presented for admission from high school.

Where two or more courses are listed under one description, no credit for graduation will be given until the sequence is completed.

After each course, the first number listed is the number of hours of lecture; the second, the number of hours of laboratory and the third, the number of hours of quarter-hour credit the course carries; e.g. (3-3-4) means 3 hours of class, 3 hours of laboratory, 4 quarter hours of credit.

A R T S

(See Fine Arts)

BIOLOGY

Biology 11 - General Zoology (3-4-5). Fall and Winter. Laboratory fee, \$3.50.

Introduction to animal structure and function using a vertebrate for most of the laboratory work.

Biology 12 - General Zoology (3-4-5). Winter and Spring. Laboratory fee, \$3.50. Prerequisite: Biology 11.

Principles of Evolution and Genetics, and survey of the invertebrate phyla. Laboratory work on invertebrates.

Biology 22 - Invertebrate Zoology (3-6-6). Spring. Laboratory fee, \$5.00 Prerequisite: Biology 11 and 12.

A study of the structure and function of invertebrates. Field trips for studying animals and their natural habitats will be included.

Biology 23 - Comparative Vertebrate Anatomy (3-6-6). Fall. Laboratory fee, \$5.00. Prerequisite: Biology 11 and 12.

A study of the anatomy and evolution of the organ systems of the vertebrates.

CHEMISTRY

Chemistry 14-15 - General Chemistry (5-3-6). Fall and Winter. Laboratory fee, \$3.50. Prerequisite: two years of high school mathematics.

This is the course in general descriptive chemistry. It will meet the freshman requirements of engineering, science and pre-medical students. The fundamental laws of chemistry and some elements and their compounds are studied.

Chemistry 24 - Qualitative Analysis (3-6-6). Fall 1949 only and Spring. Laboratory fee, \$5.00. Prerequisite: Chemistry 15, Mathematics 16-17.

The lectures include a study of the theoretical and fundamental principles of the subject, as well as a thorough study of the reactions of the more important ions. The laboratory work includes the systematic analysis for both anions and cations by a semi-micro scheme.

Chemistry 25 - Quantitative Analysis (3-6-6). Winter. Laboratory fee, \$5.00. Prerequisite: Chemistry 24.

This is an elementary course in quantitative analysis.

Chemistry 26 - Quantitative Analysis (2-8-6). Spring. Laboratory fee, \$5.00. Prerequisite: Chemistry 25.

This is a more advanced course in quantitative analysis with emphasis on gravimetric and instrumental methods of analysis.

Chemistry 28 - Industrial Chemistry Survey (2-3-3). Spring. Not offered in 1950. Laboratory fee, \$3.00. Prerequisite: Chemistry 15.

This is an elementary course in the industrial application of chemistry. The topics studied will be followed by inspection trips to appropriate local industries wherever possible. These trips will constitute the laboratory. Liberal use will be made of scientific films.

COMMERCE

Commerce 11a-b - Beginning Typing (0-5-2). Fall and Winter. Laboratory fee, \$3.50.

This course consists of introductory instruction in the technical features and care of the machine, position, fingering, proper technique and mastery of the keyboard. An average speed of 40 words a minute is attained at the end of the second course.

Commerce 11c - Intermediate Typing (0-5-2). Spring. Laboratory fee, \$3.50. Prerequisite: Commerce 11a-b or equivalent.

A typewriter course in which emphasis is placed on speed building and accuracy. Special typing problems such as business letters, minutes, notices, stencil cutting and carbon copies are stressed.

Commerce 12 a-b - Beginning Shorthand (5-0-5). Fall and Winter.

Complete theory of Gregg Shorthand in the Manual. Additional reading and dictation given from the Speed Studies.

Commerce 12 c - Intermediate Shorthand (5-0-5). Spring.

Dictation and transcription of new and studied material. Student is required to take dictation at the rate of eighty words a minute.

Commerce 13a - Burroughs Calculator and Comptometer (0-5-2). Fall. Laboratory fee, \$3.50.

The objective of this course is to build speed and accuracy in the operation of the Burroughs Calculator and Comptometer and a thorough review of business mathematics. This quarter is devoted to the operation of the four fundamentals in arithmetic or the calculator.

Commerce 13b - Burroughs Calculator and Comptometer (0-5-2). Winter. Laboratory fee, \$3.50.

The following business mathematics are reviewed and applied on the machine during this quarter: decimal equivalents, split divisions, invoicing over the fixed decimal, percentages, discounts, and chain discounts, costs, selling price and rate of profit.

Commerce 13c - Burroughs Calculator and Comptometer (0-5-2). Spring. Laboratory fee, \$3.50.

The third quarter is a continuation of business problems on the machine. The transactions covered are reciprocals, figuring grain, cipher, division, prorating cost and expenses, gross and dozen in invoicing inventories.

Commerce 15 - Business Communications (3-0-3). Winter.

A study of business correspondence, letters, information reports, follow-up sales programs, statistical analysis and inter-office communications. Stress is placed on the mastery of fundamentals of clear writing.

Commerce 17 - Office Practice (5-0-5). Spring.

Typical business office situations are duplicated as nearly as possible. Practical problems deal with dictation and transcription, typing, operation of the mimeograph, filing and office courtesy.

Commerce 19 - Modern Business Mathematics (3-0-3). Spring.
Prerequisite: Mathematics 11-12 or its equivalent.

This course gives that background necessary for dealing with problems found in banking, real estate, financing, and accounting; the operation of the compound-interest law in business; simple problems concerning bonds, sinking funds, valuation of properties, annuities, and insurance. Practical problems in these fields will be emphasized. The necessary aids and shortcuts with use of tables and logarithms will be studied.

Commerce 21a - Advanced Typing (0-5-2). Fall. Laboratory fee, \$3.50. Prerequisite: Commerce 11c or equivalent.

Advanced typing is a course in the acquisition of speed and accuracy including various legal forms and papers, manuscripts and business papers. An average of 65 words a minute is attained.

Commerce 21b - A continuation of Commerce 21a - (0-5-2). Winter. Laboratory fee, \$3.50.

Commerce 21c - A continuation of Commerce 21b - (0-5-2). Spring. Laboratory fee, \$3.50.

Commerce 22a - Advanced Stenography (5-0-5). Fall. Prerequisite: Commerce 12a, b, c.

A course in which the principles of Gregg Shorthand are applied in developing skill and accuracy in writing shorthand and in transcribing. The first half year is devoted to dictation of general business material; the second half, to dictation material applying to 16 major vocations. A speed of 120 words a minute for 5 minutes is required.

Commerce 22b - A continuation of Commerce 22a (5-0-5). Winter.

Commerce 22c - A continuation of Commerce 22b (5-0-5). Spring.

Commerce 23a - Advanced Calculator and Comptometer (0-5-2). Fall. Laboratory fee, \$3.50.

The next two quarters are devoted to the application of the machine and business mathematics to the following businesses: drugs, hardware, electrical, plumbing, contracting, wholesale paper, pay roll,

packing house, creameries and dairies, laundries, steel and iron, department stores, banks, lumber, petroleum, railroads.

Commerce 23b - A continuation of Commerce 23a (0-5-2). Winter. Laboratory fee, \$3.50.

Commerce 23c - Advanced Calculator and Comptometer (0-5-2). Spring. Laboratory fee, \$3.50.

Speed, skill and accuracy in the operation of the machine are stressed in this last period.

Commerce 24 - Principles of Accounting, Introductory (5-2-5). Fall and Spring.

An introduction to the fundamental principles and procedures of accounting, including a study of the journal, the ledger, accounting statements, controlling accounts, special journals and the accounting system. Supervised study in laboratory, two hours per week.

Commerce 25 - Principles of Accounting, Introductory (5-2-5). Fall and Winter. Prerequisite: Commerce 24.

An application of accounting principles to certain problems such as the proprietorship, the partnership, the corporation, departmental operations, manufacturing accounts and the analysis of accounting statements. Supervised study in laboratory, two hours per week.

Commerce 26 - Principles of Accounting, Intermediate (5-0-5). Winter and Spring. Prerequisite: Commerce 25.

Basic accounting theory with emphasis on the various forms of business organization, assets, liabilities and reserves.

Commerce 27 - Business Law (5-0-5). Winter.

Contracts: offer and acceptance, consideration, performance, rights of third parties and discharge. Agency: creation of an agency, powers, liabilities of principal and agent. Negotiable instruments: elements of negotiability, endorsements, and transfer, liabilities of parties, discharge,

Commerce 28 - Business Law (5-0-5). Spring. Prerequisite: Commerce 27.

Partnership: formation, powers, liabilities of partners, termination. Corporation: formation, powers, rights of security holders, types of securities. Sales: vesting of title, warrants, remedies.

ECONOMICS

Economics 21 - Principles of Economics (5-0-5). Fall and Summer.

A study of the principles behind the economic institutions of the present time and an examination of some of the economic problems in the modern world.

Economics 24 - Problems of Economics (5-0-5). Spring. Prerequisite: Economics 21.

A study of economic problems based upon the principles studied in Economics 21.

ENGINEERING

Engineering 11 - Engineering Drawing (0-6-3). Fall and Spring.

Topics of study include lettering, the use of the instruments, orthographic projection, auxiliary views, section.

Engineering 12 - Engineering Drawing (0-6-3). Winter. Prerequisite: Engineering 11.

Topics of study include sections, dimensions, limit dimensions, pictorial representation, threads, and fastenings, shop processes, technical, sketching, working drawings, pencil tracing on paper, reproduction processes.

Engineering 13 - Engineering Drawing (0-6-3). Spring. Prerequisite: Engineering 12.

Topics of study include technical sketching of piping and fittings, working drawings, ink tracing on cloth, working drawings from assemblies and assemblies from working drawings.

Engineering 21 - Descriptive Geometry (0-3-1). Fall. Prerequisite: Engineering 11.

Topics of study include the solution of problems involving points, lines and planes by auxiliary view methods. Practical applications are emphasized.

Engineering 22 - Descriptive Geometry (0-3-1). Winter.

A continuation of subjects studied in Engineering 21 including solutions by rotation methods, simple intersections, the development of surfaces.

Engineering 23 - Descriptive Geometry (0-3-1). Spring.

Topics studied include the intersection of surfaces; warped surfaces. Practical applications are emphasized.

Engineering 25 - Elements of Electrical Engineering (2-3-3). Spring.
Prerequisites: Physics 22.

Fundamental theory of electric, magnetic, and electro-static circuits.

Engineering 26 - Plane Surveying (1-3-2). Fall and Spring.

Theory of practice in chaining, differential and profile leveling, traversing, topographic surveying, reduction and plotting of field notes and mapping.

ENGLISH

English 11 - Freshman English (3-0-3). Fall and Spring.

This course covers a review of punctuation and the fundamentals of grammar, theme writing, and vocabulary building. Also the student reads and discusses selections from the works of the most prominent literary figures of the Western World.

English 12 - Continuation of English 11 - (3-0-3). Fall, Winter and Summer.

English 13 - Continuation of English 12 - (3-0-3). Winter, Spring and Summer.

In English 11-12-13 selections from the works of the following authors will be read: Homer, Sophocles, Chaucer, Montaigne, Cellini, Voltaire, Checkov, Hardy, as well as those of certain English Romantic poets.

English 21 - Survey of World Literature (3-0-3). Fall and Spring.

This course is designed to give the student a knowledge of the principal works of certain major writers. The student reads in some detail several hundred pages from the works of selected authors whose thought or style has been of world-wide significance. The last third of the course deals with modern trends in literature and thought. At intervals, students are asked to write papers, and emphasis is constantly placed on the improvement of the student's ability to express himself.

English 22 - Continuation of English 21 - (3-0-3). Fall, Winter and Summer.

English 23 - Continuation of English 22 - (3-0-3). Winter, Spring and Summer.

In English 21-22-23 selections from the works of the following authors will be read: Shakespeare, Milton, Goethe, Keats, Whitman,

Ibsen; also selections from the Bible. The last quarter will be devoted to a consideration of representative works of contemporary writers in England and America.

English 24 - An Introduction to Poetry (3-0-3). Winter.

A study of the various types and forms of poetry with special emphasis on the works of the more recent British and American poets.

English 25 - American Literature (5-0-5). Spring.

A survey of American literature and culture. In this course the student reads somewhat fully from works of a comparatively small number of notable and representative American writers. This course is primarily devoted to reading and discussion, but each student is asked also to select one particular period or author for concentration, making reports and writing papers in that phase of the work.

English 26a - Advanced Composition (3-0-3). Fall. Not offered in 1949.

Advanced writing practices. The course is designed to equip the student to express his ideas in clear, well-organized and interesting prose. Various techniques of composition are considered, but the main portion of the course is devoted to the writing and re-writing of exposition.

English 26b - Continuation of English 26a (3-0-3). Winter. Not offered in 1950.

English 27 - Reading Modern Drama (5-0-5). Spring. Not offered in 1950.

Students will participate in class reading and discussion of selected dramas. The plays will not be acted. The course is expected to improve the student's diction and reading.

English 28 - Public Speaking (5-0-5). Winter.

Fundamental principles involved in group discussion and the preparation and delivery of original speeches for formal and informal occasions.

English 29 - Voice and Articulation (5-0-5). Spring.

Fundamental principles and drills for development of the speaking voice. Phonetic analysis of the sounds of the English language as a basis for correction of common articulatory and vocal defects.

FINE ARTS

Art 11 - Creative Art (2-6-5). Winter.

Drawing, art principles and design with work in other media at the discretion of the instructor. Some application will be made to postermaking, lettering and everyday life needs.

Art 19 - Fundamentals of Flower Arranging (3-0-2). Winter. Not offered in 1950. Laboratory fee, \$2.50

A course designed to acquaint the student with a brief history of the use of flowers; the use of design (composition, focus, unity, color and balance); current trends in arranging; study of Japanese, mass line and modern styles; table-decorating; corsage-making; and decorating for occasions. One period weekly will be devoted to lecture, the other two periods will supplement lecture material by work with plants, foliage and blooms. Particular attention is given to local problems, as well as to helping develop individual style.

Drama 11 (3-4-5). Fall.

A study of modern theatre practice, both technical and administrative. In the laboratory students will become a part of an active producing company. Plays will be selected, cast, directed, designed, lighted and costumed by students, and will be performed before invited audiences. The group will work directly with the Savannah Playhouse.

Drama 12 (3-4-5). Winter.

Continuation of Drama 11. Students encouraged to specialize in one of the various departments of production. No prerequisites.

Drama 13 (3-4-5). Spring.

one of the various departments of production. No prerequisites.

Music 20 - Great Music (5-0-5). Spring.

A course designed to help the reader understand and enjoy great music. Several works will be analyzed in detail as to form, harmony and structure. A text will be used for factual background, class time being concentrated on brief exposition of themes followed by listening to records. Classic, romantic and modern composers will be studied..

FOREIGN LANGUAGES

FRENCH

French 11-12 - Elementary French (5-0-5). Fall and Winter.

A course for beginners. Emphasis is placed on the spoken language.

Grammar and reading are included in the course. Practice with records is required outside of regular class hours.

French 21 - Intermediate French (5-0-5). Fall and Spring. Pre-requisite: Two quarters of college French or two years of high school French.

Review grammar, oral practice, reading of selected texts.

French 22 - Intermediate French, continued (5-0-5). Winter. Pre-requisite: Three quarters of college French or three years of high school French.

Further reading of texts, oral and composition practice.

French 23 - Introduction to Literature (5-0-5). Spring.

A survey course with particular emphasis on the nineteenth century. Written and oral reports on collateral readings.

French 24 - French Classic Drama (5-0-5). Spring. Not offered in 1950.

Selected plays of Corneille, Moliere and Racine are studied. Four plays are read in class and four plays read as collateral.

GERMAN

German 11-12 - Elementary German (5-0-5). Fall and Winter. Not offered in 1949-1950.

Drill in fundamentals. Grammar, oral and written practice, early reading of selected material in German. Second part is devoted to additional grammar and conversation.

German 21 - Review Grammar (5-0-5). Spring. Not offered in 1950.

SPANISH

Spanish 11-12 - Elementary Spanish (5-0-5). Fall and Winter.

These courses are for the purpose of providing the student with the elements of Spanish by reading, composition and speaking.

Spanish 21 - Intermediate Spanish (5-0-5). Fall and Spring.
Grammar review composition and selected prose readings.

Spanish 22 - Advanced Spanish (5-0-5). Winter.

The purpose of this course is to increase the students' facility in writing and speaking Spanish. Selected masterpieces of Spanish literature are read.

Spanish 23 - Commercial Spanish (5-0-5). Spring. Not offered in 1950.

A study of business letters and forms used by the Spanish-speaking world and of the vocabulary of trade, travel and communication.

Spanish 24 - Modern Prose Readings (5-0-5). Spring.

This course provides intensive reading of novels, plays and short stories of nineteenth and twentieth century Spanish and Latin-American authors.

Spanish 25 - 19th Century Spanish Literature (5-0-5). Winter. Not offered in 1950. Prerequisite: Spanish 21.

Brief survey of the 19th Century Spanish Literature.

Spanish 26 - 20th Century Spanish Literature (5-0-5). Spring. Not offered in 1950. Prerequisite: Spanish 21 or its equivalent.

Brief survey of 20th Century Spanish Literature.

HISTORY

History 11-A Historical Introduction to Contemporary Civilization (3-0-3). Fall and Spring.

This course comprises a chronological survey of the main currents of political, social, religious and philosophical thought in Western Civilization from the period of the sixth century in Greece to the present time.

History 12 - A continuation of History 11 (3-0-3). Fall, Winter and Summer.

History 13 - A continuation of History 12 (3-0-3). Winter, Spring and Summer.

In addition to a chronological treatment of events studied in the above courses, the dynamics of Western Civilization are studied in works of the following authors: Plato, Lucretius, St. Augustine, Dante, Machiavelli, Descartes, Locke, Swift, Rousseau, Adam Smith, Ricardo, Malthus, Bentham, Carlyle, Marx, Shaw and Hersey.

History 11-12-13 are required of all students seeking an Associate degree from Armstrong College and are designed to be complementary with English 11-12-13.

History 20 - Contemporary Civilization (3-0-3). Spring. Not offered in 1950.

The course has as its purpose the examination of the most important

events and movements, political, social and cultural, in American life from about 1900 to the present time.

History 21 - English History (5-0-5). Fall. Not offered in 1949.

A study of English political and social institutions from early times to the present with special emphasis given to developments since the Tudor period.

History 22 - Latin America (5-0-5). Spring.

This course deals with the colonial, revolutionary and recent developments in the countries of Hispanic America.

History 23 - Contemporary American History (5-0-5). Winter. Not offered in 1950.

The purpose of this course is to examine the major factors in the development of the U. S. from the Spanish-American War to the present time. Political, social and cultural issues are examined and developments abroad which come into contact with the American scene are studied.

History 24 - Survey of Modern Europe (5-0-5). Spring. Not offered in 1950.

The rise of nationalism, the trend of Europe toward imperialism, the alliance system leading to World War I, the post-war treaties and the problems which precipitated World War II with some indication of the problems which the European nations now face. Japan and China are included where their impact on Western Civilization is felt.

History 25 - Recent American History (5-0-5). Fall and Winter.

This course has as its purpose the examination of the most important events and movements, political, social and cultural, in American life from about 1900 to the present time.

History 26 - Recent European History (5-0-5). Spring.

This course is designed to provide an opportunity for detailed study of major national and international developments in European affairs from about 1870 to the present time. Special emphasis is devoted to the First World War and new developments in Europe following that war and the complex of world events which preceded the Second World War.

HOME ECONOMICS

Home Economics 10 - Orientation (3-0-3). Fall.

An introduction to home economics that gives the student some

idea of the vocational opportunities in this field so she will be able to take better advantage of her course of study in college.

Home Economics 11 - Clothing (2-6-5). Fall and Spring. Laboratory fee, \$1.00.

A study of clothing to suit the individual needs and the application of art principles to dress, together with problems in clothing construction in laboratory periods will be pursued.

Home Economics 12 - Foods (3-2-5). Fall and Spring. Laboratory fee, \$7.00.

An introduction to the basic food and family meal service. Complete meals are prepared and served in each laboratory period.

Home Economics 13 - Catering (2-6-5). Winter. Laboratory fee, \$7.00. Prerequisite: Home Economics 12, or consent of instructor.

A more advanced approach to food preparation and selection. Foods are purchased and prepared for special occasions, such as formal dinners, luncheons, receptions and teas.

Home Economics 21 - Home Furnishing (3-4-5). Fall. Laboratory fee, \$2.00. Prerequisite: Art 11 or consent of the instructor.

A study of the home from the standpoint of family needs. Both the interior and exterior of the home are considered with reference to such topics as home lighting, wall treatments, floor coverings, and storage space. Period styles of furniture from those of ancient times to the present are studied.

Home Economics 22 - Nutrition (5-0-5). Spring. Prerequisite: Chemistry 14 and 15, or consent of the instructor.

A consideration of the laws governing the food requirements of individuals for maintenance and growth of the body. The food nutrients and their contributions to the daily dietary are studied.

Home Economics 23 - Advanced Clothing (2-6-5). Winter. Laboratory fee, \$1.00.

Lectures cover garment selection and wardrobe planning and an introduction to the study of textiles. Laboratory periods are devoted to developing more advanced techniques in clothing construction.

JOURNALISM

Journalism 11 - (1-2-2). Fall.

Students gain practical experience in working out editorial, mechanical and business problems dealing with a publication.

Journalism 12 - A continuation of Journalism 11 (1-2-2). Winter.

Journalism 13 - A continuation of Journalism 12 (1-2-2). Spring.

MATHEMATICS

Mathematics 11 - Basic Mathematics (3-0-3). Fall and Spring.

Mathematics 11, 12, and 13 is a terminal sequence, giving information about the genesis and development of mathematics. An introduction to inductive and deductive methods; Euclidean and non-Euclidean systems; theory of arithmetic numbers, operations and measurements; and logarithms.

Mathematics 12 - Basic Mathematics (3-0-3). Winter and Summer.
Prerequisite: Mathematics 11.

A continuation of the course started in Mathematics 11; variation; interest and annuities; progressions of numbers; combinations and probability; functional relationships; and the binomial theorem.

Mathematics 13 - Basic Mathematics (3-0-3). Spring and Fall.
Prerequisite: Mathematics 12.

Advanced circular functions; equations; common curves; and statistical concepts.

Mathematics 16 - College Algebra (5-0-5). Fall and Spring. Prerequisite: Two years of high school algebra and one of Plane Geometry. (Students with insufficient preparation may audit Mathematics 16).

A course in advanced algebra planned for mathematics or science majors. The course consists of functions and graphs; logarithms; linear and quadratic equations; the binomial theorem; complex numbers and the elementary theory of equations.

Mathematics 17 - Trigonometry (5-0-5). Fall and Winter. Prerequisite: Mathematics 16.

A course covering the solution of the right and general triangle; the general solution of trigonometry equations; trigonometric identities; polar coordinates and the use of the slide rule.

Mathematics 18 - Plane Analytic Geometry (5-0-5). Winter and Spring. Prerequisite: Mathematics 17.

Analytic geometry of the point, line and circle; elementary conic sections; polar coordinates; transcendental curves and transformation of coordinates.

Mathematics 21 - Differential Calculus (5-0-5). Fall. Prerequisite: Mathematics 18.

Theory of differentiation, with application to tangents; maxima and minima; rates; curvature; velocity and acceleration; approximations; and Newton's method.

Mathematics 22 - Integral Calculus (5-0-5). Winter. Prerequisite: Mathematics 21.

Formulas and methods of integration; single integration applied to areas and lengths; volumes and surfaces of revolution; centroids and moments of inertia; pressure and work.

Mathematics 23 - Differential and Integral Calculus (5-0-5). Spring. Prerequisite: Mathematics 22.

The law of the mean and indeterminate forms; series, with applications; partial and total derivatives, with applications; essentials of solid analytic geometry; multiple integration, applied to areas, volumes, centroids and moments of inertia.

MUSIC

(See Fine Arts)

PHYSICAL EDUCATION

Physical Education 11M - Conditioning Course for Men (0-3-1). Fall.

Consists in calisthenics; stunts and tumbling; lifts and carries; road work, dual combatives; and simple games.

Physical Education 11W - Same course for women (0-3-1). Fall.

Physical Education 12M - Team Sports for Men (0-3-1). Winter. Consists of elementary basketball, soccer, or speedball.

Physical Education 13M - Elementary Swimming for Men (0-3-1). Spring.

Physical Education 13W - Same course for women (0-3-1). Spring.

Physical Education 18 - Advanced Basketball for Men (0-3-1). Winter.

Physical Education 19 - Tumbling (0-3-1). Not offered in 1949-50.

Physical Education 20 - First Aid and Safety Education (4-0-3).

The American Red Cross standard course in first aid is followed by a broad consideration of the opportunities for safety teaching in the school program.

Physical Education 21 - Elementary Tennis (0-3-1). Fall.

Physical Education 22 - Elementary Boxing for Men (0-3-1). Winter.

Physical Education 23 - Senior Life Saving and Instructors' Course in Swimming for Men (0-5-2). Spring.

Physical Education 24 - Boxing for Teachers (0-5-2). Winter.

Physical Education 25 - Folk Rhythms (0-3-1). Fall.

Physical Education 26 - Modern Dance for Women (0-3-1). Winter.

Physical Education 27 - Tap Dance for Women (0-3-1). Winter.

Physical Education 28 - Adult Recreative Sports (0-3-1). Spring.

Consists of passive, semi-active, and active games and sports which have carry-over value for later life.

Physical Education 29 - Folk Rhythms for Teachers (0-5-2). Fall.

PHYSICS

Physics 10 - Physics Survey (5-2-6). Spring. Laboratory fee, \$2.50.

A study of the fundamentals of physics. Emphasis will be placed on the theories necessary to explain heat, electricity and mechanics as used in the home.

Physics 11 - Introductory Physics (5-2-6). Fall. Laboratory fee, \$2.50.

A study of mechanics and heat, force, motion, simple machines, the mechanics of fluids, and heat.

Physics 12 - Introductory Physics (5-2-6). Winter. Laboratory fee, \$2.50.

A study of electricity, sound and light, electrostatics, magnetism, and simple circuits.

Physics 21 - Mechanics (5-3-6). Fall. Laboratory fee, \$2.50. Prerequisite: Mathematics 18. (Mathematics 21 should be taken concurrently.)

A study of statics, kinetics, elasticity, hydrostatics, mechanics of gases, fluids in motion, surface tension and capillarity. The theory of errors will be included in the laboratory work.

Physics 22 - Electricity (5-3-6). Winter. Laboratory fee, \$2.50. Prerequisite: Physics 21 and Mathematics 21.

A study of magnetism, electrostatics, batteries, electrical measurements, electromagnetism, induced currents, electrical machinery, electrical oscillations, and thermo-and photo-electric emission.

Physics 23 - Heat, Light and Sound (5-3-6). Spring. Laboratory fee, \$2.50. Prerequisite: Physics 22 and Mathematics 22.

A study of thermal expansion heat measurements, change of state, heat and energy, propagation of heat, production and transmission of sound waves, reflection and refraction of light, dispersion, interference and polarization of light.

POLITICAL SCIENCE

Political Science 12 - Comparative Foreign Government (5-0-5). Spring and Summer. Not offered in 1949-1950.

A study is made of the governments of Great Britain, France, Russia and the pre-war Fascist nations, Germany and Italy, in detail. The theory and practice of each government is observed with some comparison and contrast being stressed. In addition, a brief survey of the governments in Switzerland, Japan and China is made; the structure of the United Nations is outlined.

Political Science 13 - Government in the United States (5-0-5). Fall and winter.

A study is made of the structure, theory, workings of the national government in the United States and some of the major problems of the state and local government. The course shows how developmental practice has arrived at our government as it stands today.

PSYCHOLOGY

Psychology 21 - Introductory Psychology (5-0-5). Fall and Winter.

An introductory course in psychology, including discussions of learning, memory, behavior, psycho-biological relationships, morale and motivation. The facts and principles from scientific research in psychology are applied to the student in his present use of college experience.

Psychology 22 - Social Psychology (5-0-5). Winter. Prerequisite: Psychology 21.

This course is an introduction to the psychology of groups. An analysis is made of the psychological and socio-cultural motivation of the individual from infancy to adulthood from the standpoint of his group relationships. Special attention is given to a study of leadership, the development of radical and conservative qualities, propaganda, war, facism, communism, delinquency and public opinion.

Psychology 23 - Child Psychology (5-0-5). Spring. Prerequisite: Psychology 21.

A study of the developmental factors operating in a child's experience that make for, or interfere with, effective expression of his capacities and efficient adjustment to life situations. Sources are drawn from experimental research and from the findings of analytical psychology.

Psychology 24 - Educational Psychology (5-0-5). Spring . Not offered in 1949-1950.

A study of psychological theories of learning and of goals in learning as they are represented in various teaching methods used in schools, family life and in social changes.

Psychology 25 - Psychology of Adjustment (5-0-5). Winter. Prerequisite: Psychology 21.

In this course emphasis is placed on the types of adjustment, the development and measurement of personality traits and techniques of mental health.

PUBLIC SPEAKING
(See English 28 and 29)

SOCIOLOGY

Sociology 20 - Introductory Sociology (5-0-5). Fall.

A study of the principles of social organizations in American cul-

ture based on scientific studies of groups, "races," population and of the institutionalized functions of society.

Sociology 21 - Marriage and the Family (5-0-5). Winter and Spring.

A study of family backgrounds, preparation for marriage, marriage interaction and family administration, family economics, problems of parenthood, family disorganization. A study of the family in the post-war period and present trends in family life are included.

SPANISH

(See Foreign Languages)

SCHOOL OF NURSING

Armstrong College offers the following nurses' courses in cooperation with the Warren A. Candler School of Nursing:

Anatomy and Physiology 1n and 2n - (3-2-4). Fall and Winter. Laboratory fee, \$2.50.

A two quarter course in human anatomy and physiology. The gross anatomy, some histology and physiology of the organ systems are presented in order to give the student an understanding of the human body as a basis for her further studies in clinical nursing. The laboratory work includes some dissection of the lower vertebrates and elementary experiments in physiology.

Microbiology 1n - (2-3-4). Spring. Laboratory fee, \$2.50.

An introduction to micro-organisms as living organisms and as pathogens. The structure, life history and public health importance of representative viruses, bacteria, molds, protozoa and helminths are considered. The laboratory work includes the techniques of culturing bacteria and the study of the scientific basis of antiseptic and aseptic procedures.

Chemistry 1n - (4-3-5). Laboratory fee, \$2.50.

The purpose of this course is to acquaint students with the principles of inorganic, organic and physiological chemistry with special applications to nursing practice.

Sociology 2n - (3-0-3).

This course considers (1) the principles of sociology; (2) the nurse as a citizen of the community and as a professional worker; (3) the

importance of the hospital among the social agencies in the community; (4) the patient in the hospital coming from the family and returning to the family.

Home Economics 2n - Nutrition and Food Preparation (3-0-3).
Laboratory fee, \$4.00.

The fundamental principles of nutrition and food preparations are considered. The nutrition requirements of children and of adults are compared. Special attention is given to the nutrition requirements of childhood and pregnancy.

Psychology 1n - (3-0-3).

This course is an introduction to the study of human behavior with emphasis on the underlying principles of mental adjustments. The importance of the nurse's own personality is stressed.

English 1n - (3-0-3).

A basic course in the fundamentals of reading, writing, and speaking English.

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FALL

WINTER

SPRING

SUMMER

Bulletin of
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Southern Association of Colleges and Secondary Schools
Association of Georgia Colleges
Georgia Association of Junior Colleges

VOLUME XV

NUMBER 1

**ARMSTRONG COLLEGE
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CALENDAR FOR 1950 - 51

FALL QUARTER

Freshman testing and Sophomore counseling	September 18
Freshman Orientation	September 19-23
Registration	September 25
Classes begin	September 26
Last day to register for credit	October 6
Mid-term reports due	October 27
Thanksgiving Holidays	November 23-26
Pre-registration	December 6-8
Examinations	December 13-15
Homecoming Dance	December 15
Parade and Basketball Game	December 16
Homecoming Reception	December 17
Christmas Holidays	December 17-January 1

WINTER QUARTER

Registration	January 2
Classes begin	January 3
Last day to register for credit	January 12
Mid-term reports due	February 2
Pre-registration	March 5-7
Examinations	March 14-16
Spring Holidays	March 17-21

SPRING QUARTER

Registration	March 22
Spring Holidays	March 23-25
Classes begin	March 26
Last day to register for credit	April 5
Mid-term reports due	April 27
Pre-registration—Summer and Fall Quarters	May 23-25
Examinations	June 4-6
Sophomore Party	June 8
Sophomore-Alumni Luncheon	June 9
Graduation	June 11

SUMMER SESSION

Registration	June 18
Classes begin	June 19
Holiday	July 4
Examinations	July 27

Administration

THE COLLEGE COMMISSION

HERSCHEL V. JENKINS	<i>Chairman</i>
WILLIAM MURPHEY	<i>Vice-Chairman</i>
MORRIS BERNSTEIN	JAMES P. HOULIHAN, <i>Ex officio</i>
JACK J. COOK, <i>Ex officio</i>	G. PHILIP MORGAN, SR.
W. M. DAVIS, <i>Ex officio</i>	MRS. WILLIAM F. ROBERTSON
OLIN F. FULMER, <i>Ex officio</i>	FRED L. SHEAROUSE

ALFRED T. VICK, *Ex officio*

THE FACULTY

FOREMAN M. HAWES, A.B., M.S.	<i>President</i>
*ARTHUR M. GIGNILLIAT, A.B., M.A.	<i>Registrar</i>
W. ORSON BEECHER, A.B., M.A.	<i>Dean of Students</i>
FRANCIS M. BRANNEN, B.S.	<i>Business Manager</i>

W. ORSON BEECHER, A.B. and M.A., Emory University ; M.A. University of Georgia

Instructor in History

LAURA BLAKELEY, B.S. and M.A., Peabody College

Instructor in Mathematics

FRANCIS M. BRANNEN, B.S. in Chemical Engineering, Georgia Institute of Technology

Instructor in Chemistry and Engineering

R. CLIFTON CAMPBELL, B.A. and M.A., Emory University

Instructor in History and Political Science

ARTHUR M. CASPER, B.S., Beloit College; M.S., University of Wisconsin

Instructor in Mathematics

ANNA CONE, A.L.A., Armstrong College; B.A., University of Georgia

Secretary to the Dean of Students

* On Leave of Absence.

ANNE K. CROLLY, B.A., Ursuline College of New Orleans
Assistant Registrar

WILLIAM M. DABNEY, A.B. and M.A., University of Virginia
Instructor in History and Political Science

HARRIET DAVIS, A.B., University of North Carolina
Publicity

LAMAR DAVIS, B.S., University of South Carolina
Instructor in Business Administration

LILLIAN DOUGLAS, B.S., Birmingham-Southern College; M.S., Emory
University
Instructor in Chemistry

ELEANOR J. DOYLE, B.S., Immaculate College; M.A., Catholic University
of America
Instructor in Spanish and Latin American History

*ARTHUR M. GIGNILLIAT, A.B. and M.A., University of Georgia
Instructor in English

NOMA LEE GOODWIN, A.B. and M.A., Duke University
Instructor in English

ANN HUTCHINS, B.S., Georgia State Woman's College
Instructor in Biology and Chemistry

JOSEPH I. KILLORIN, A.B., St. Johns College
Instructor in History

MARGARET SPENCER LUBS, B.M., Converse College; A.B., University of
Georgia; M.A., Columbia University
Instructor in French

ELMO M. MCCRAY, B.S. and M. S., University of Alabama
Instructor in Biology

DOROTHY MORRIS, B.S., University of Tennessee
Instructor in Physical Education

MARJORIE A. MOSLEY, Associate in Finance and Commerce, Armstrong
College
Secretary to the President

HINCKLEY A. MURPHY, B.A., Vanderbilt University
Instructor in English

JOSIE R. NELSON, Graduate of Banks Secretarial School
Bookkeeper

* On Leave of Absence.

V. ENNIS PILCHER, B.S. and M.S., Emory University

Instructor in Physics

IRVINE N. SMITH, A.B. and M.A., University of North Carolina

Instructor in English

NANCY PAGE SMITH, B.M., Eastman School of Music of the University of Rochester; M.A., University of North Carolina

Director of the Glee Club—Instructor in Music

MARGARET FORTSON STEPHENS, A.B., LL.B., and M.A., University of Georgia; Certificate from the Sorbonne, Paris, France

Instructor in English

CARLSON R. THOMAS, B.A., University of Richmond; M.A., University of North Carolina

Director of Savannah Playhouse—Instructor in Drama

DOROTHY M. THOMPSON, A.B., Monmouth College; M.A., Northwestern University; Certificate of Psychiatric Social Work, Western Reserve University

Instructor in Psychology and Sociology

CARMEN TORRIE, B.S., Concord College; M. S., University of Tennessee

Director of Athletics and Instructor in Physical Education

HELEN C. WOLFE, B.S., Columbia University

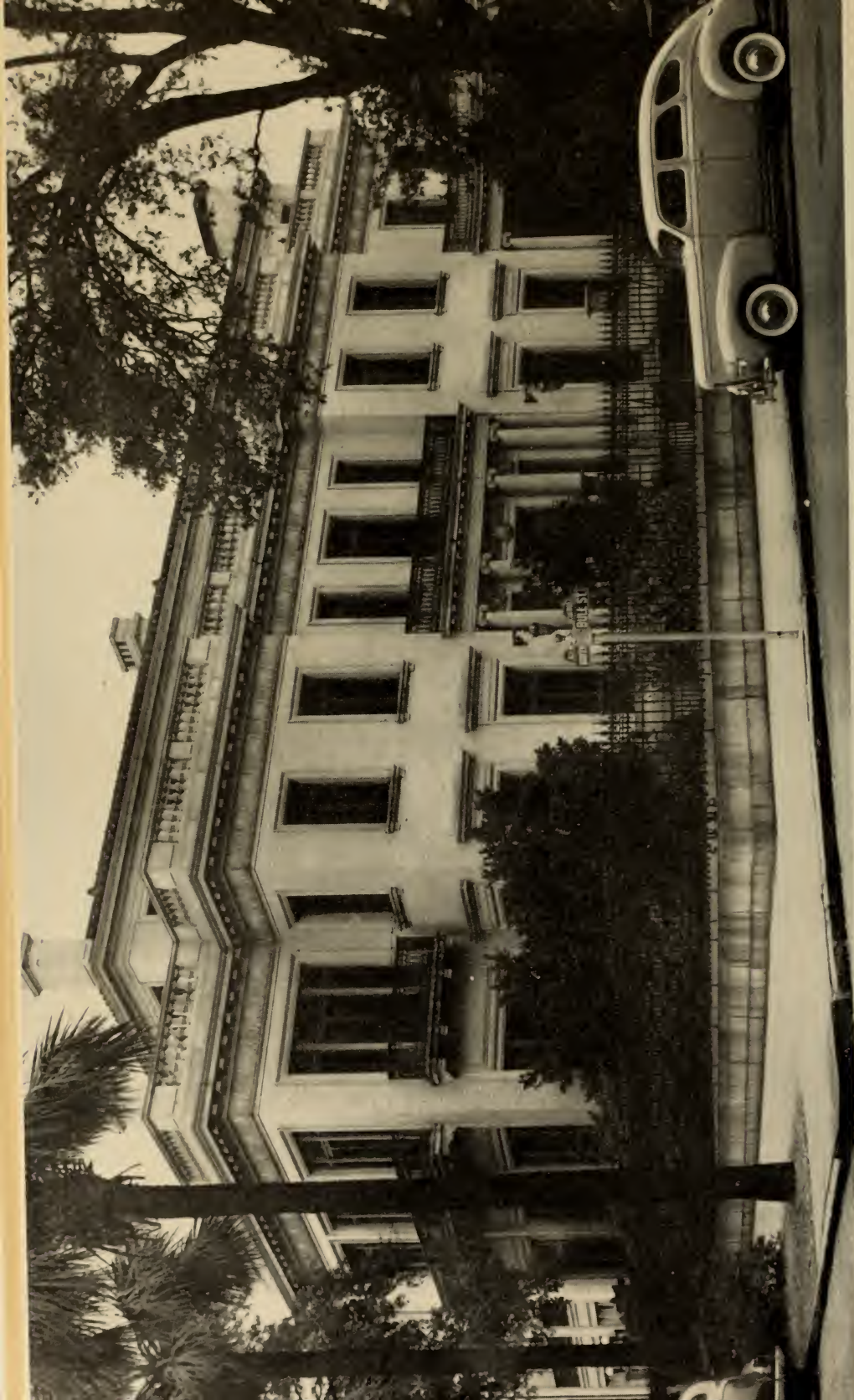
Instructor in Home Economics

HELEN E. WOODWARD, A.B., Maryville College; B.S., Peabody College; M.A., Vanderbilt University

Librarian

GLADYS NICHOLS ZILCH, Diploma from the Gregg School of Chicago

Instructor in Commerce



THE ARMSTRONG BUILDING — ADMINISTRATIVE OFFICE

General Information

HISTORY AND ORGANIZATION

Armstrong College was founded on May 27, 1935, by the Mayor and Aldermen of the City of Savannah to meet a long-felt need for a junior college. The first college building was the magnificent home of the late George F. Armstrong, a gift to the city from his widow and his daughter. The former home, now called the Armstrong Building, is an imposing structure of Italian Renaissance architecture; inside, its spacious rooms and marble halls lend an air of dignity, while outside it is one of the most beautiful college buildings in the South.

Over the years, through private donation and public appropriation, the campus has been enlarged until now it includes four additional buildings: the Lane Building, a gift of the late Mills B. Lane, prominent banker; John W. Hunt Memorial Building in which are located the Student Center, the Home Economics Department, the Women's Lounge, the Dancing Studio, and the Music Room; Herschel V. Jenkins Hall, which contains the auditorium, theater for the Savannah Playhouse, and classrooms; and Thomas Gamble Hall, site of science lecture rooms and laboratories.

Three of the buildings face forty-acre Forsyth Park, the most beautiful park in the city; the other two face Monterey Square, one of the carefully planned squares for which Savannah is famous.

Hodgson Hall, across from Forsyth Park on Whitaker Street, contains the college library as well as the Library of the Georgia Historical Society, to which Armstrong students have access.

The college is under the control of a commission of six members, appointed by the Mayor. In addition, the commission includes as ex-officio members the Mayor, the Chairman of the Chatham County Board of Education, the Chairman of the County Commissioners, the Superintendent of the Board of Education, and the President of the Savannah Chamber of Commerce.

Except for the war years, enrollment has shown a steady increase until the present student body numbers approximately five hundred. As need arises, the curriculum is enlarged and modified to meet new demands.

AIMS

The college seeks to serve the community by giving the men and women who attend its classes a better understanding of the world in which they live and the experience of adapting knowledge to meet the obligations and responsibilities of citizenship.

The student may complete one or more of the following specific objectives:

1. Receive additional liberal education stressing how to live more abundantly;
2. Complete the freshman and sophomore years of the four-year senior college program leading to the baccalaureate degree;
3. Finish two years of pre-professional work leading toward medicine, dentistry, law, home economics, the ministry and other professions;
4. Graduate from a semi-professional program, prepared to go into business or industry.

The college awards the degree of Associate in Arts to students completing an approved program.

ADMISSION TO THE COLLEGE

(For dates see calendar on page 2)

A student planning to enter Armstrong should obtain from the Registrar an "Application for Admission Card." The student should complete this form and return to the Registrar. REQUEST THE HIGH SCHOOL PRINCIPAL, OR THE COLLEGE REGISTRAR (in the case of a transfer student), TO SEND A TRANSCRIPT OF CREDITS to the Registrar, Armstrong College, Savannah, Georgia.

Having checked the student's records for compliance with the minimum requirements for admission, the Registrar will send a notice to the student that he has been admitted to the college, together with certain physical examination forms which must be completed and returned before the student can complete registration. The applicant will be notified of the dates of the next testing program. These tests do not affect a student's entering Armstrong, but will enable the counseling staff to assist him in selecting a program of study upon entrance. STUDENTS ARE REQUIRED TO TAKE THESE TEST MEASUREMENTS BEFORE REGISTRATION. The Registrar welcomes personal interviews with individuals planning to further their formal education.

REQUIREMENTS FOR ADMISSION

BY CERTIFICATE

1. A candidate for admission to Armstrong College by certificate must be a graduate of an accredited high school with sixteen units of credit.
2. No subject-matter units are prescribed. The high school program should be of such nature as to give satisfactory preparation for beginning college studies. Subjects which may be expected to contribute to this end are English composition, literature, natural science, history and other social studies, foreign languages, and mathematics. The right is reserved to reject any applicant whose high school program does not indicate adequate preparation for college work.
3. A record of high school credits earned by the applicant should be made out on the proper forms by an official of the high school and mailed directly to the office of the Registrar. This certificate becomes the property of the college and cannot be returned to the applicant.
4. Three units in mathematics and one in physics or its equivalent is pre-requisite for admission to the freshman class in engineering.

BY EXAMINATION

Students beyond high school age, who do not meet the above requirements for admission by certificate, may take the General Educational Development tests (high school level) at the local Community Guidance Center. The student will be admitted to college on the basis of his score. Entrance examinations should be completed at least one week before registration. Additional information may be secured from the Registrar.

ADMISSION TO ADVANCE STANDING

Advanced credit will be allowed for work done in other institutions of proper rank and standing and for schools and experiences in the Armed Services. Only 10 per cent of the total number of hours transferred will be accepted in "D" grades. All work presented for advanced standing will be evaluated by the Registrar. To receive a diploma from Armstrong College, a student must be in attendance the two quarters preceding graduation, making a "C" average enrolled for a normal load, and, in addition, must satisfy the requirements of a particular course of study. Adults (students over 21 years of age) may receive credit for certain college work on the basis of the General Education Development tests at the junior college level.

ADMISSION OF VETERANS OF WORLD WAR II

Armstrong College will accept veterans who are not high school graduates if their official GED test records in the local Community Guidance Center show scores that indicate the applicant's ability to do college work. Many students have attended Armstrong under the provisions of Public Laws 16 or 346. Certificates of eligibility should be secured from the Veterans Administration prior to registration.

ADMISSION OF SPECIAL STUDENTS

Adults desiring to enroll in courses for their intrinsic value but not desiring transfer credit may be enrolled as special students. Requirements pertaining to entrance examinations, physical examinations and physical education courses do not apply to these students.

FEES

Tuition will be charged as follows:

For 12 quarter hours or more,  \$50.00;

For each quarter hour less than 12 quarter hours, \$4.25.

All veterans must present a certificate of eligibility the first time they register at Armstrong College. Veterans once enrolled do not require a supplementary certificate unless they have used the G. I. Bill since the last quarter they were registered at the college. **STUDENTS WHO REQUIRE A CERTIFICATE OF ELIGIBILITY FROM THE VETERANS ADMINISTRATION BUT HAVE NOT OBTAINED IT PRIOR TO REGISTRATION WILL BE REQUIRED TO PAY CASH WHICH MAY BE REFUNDED BY THE BUSINESS OFFICE UPON RECEIPT OF THE CERTIFICATE.**

A student activity fee of \$5.00 per quarter will be charged all students. This fee will entitle the student to subscriptions to the 'Gee-chee, the college annual, and other college publications and the admission to college-sponsored dances, membership in the Playhouse, and Armstrong Athletic Club.

Students taking laboratory work will be required to pay a fee for materials and equipment. This fee is indicated in the description of courses found under "Course Descriptions" elsewhere in this bulletin.

A late registration fee of \$2.00 for one day late, \$5.00 for two days late and \$10.00 for three or more days late will be charged any student who fails to register and pay fees on the day designated for registration, unless he presents a doctor's excuse. In no event will the late registration fee exceed \$10.00.

Any student who desires to take more than 18 quarter hours per quarter must have the Registrar's approval.

Anyone wishing to audit a course (but not receive college credit) may do so with permission of the instructor by paying a fee of \$10.00 per course.

A graduation fee of \$7.50 will be collected from each candidate for graduation.

Any student delinquent in the payment of any fee due the college will have grade reports and transcripts of records held up, and will not be allowed to re-register at the college for a new quarter until the delinquency has been removed.

Each student leaving Armstrong College is entitled to one official transcript of his college work. The charge for additional copies is \$1.00 each. Written requests for transcripts are complied with promptly when received in the Registrar's office.

REFUNDS

Refunds of fees and tuition will be made **ONLY** upon written application for withdrawal from school.

Students who formally withdraw after the first scheduled day of registration will be entitled to a refund as per the following schedule: One calendar week or less after date—30% of fees paid for that quarter; between one and two calendar weeks—60% of fees paid for that quarter; between two and three calendar weeks—40% of fees paid for that quarter; between three and four calendar weeks—20% of fees paid for that quarter. After four weeks no refunds will be made.

No refunds will be made to students dropping a course.

COUNSELING

The Counseling service of Armstrong College, in connection with the office of the Dean of Students, offers help in solving problems connected with the student's pursuit of the college program. The counselor has special training which enables him to offer individual, confidential, non-disciplinary help at the student's own request.

Students are urged to request help from their instructors when the difficulty is one concerned with the subject itself and having no complications. The areas with which the counselor is usually concerned are choices of vocation, the planning of work in college, study habits generally and personal adjustment to college life. Those problems which do not fit into these general categories either because of greater intensity or critical development are referable to community agencies outside the college if the student or his guardians so agree.

The main function of the counselor is to help the student work out his own problem successfully, and the only administrative function which the counselor has is to plan with every student in advance of registration his work at the college.

LIBRARY

Hodgson Hall houses not only the library of Armstrong College, but also that of the Georgia Historical Society. Since all books are on open shelves, students have immediate access to both collections. The reading room, which has recently been redecorated, is well lighted, most attractive and popular among the students. One section of this room is furnished with lounge chairs and opens into a garden, which is also an added attraction to many readers.

The library's holdings consist of a very good collection of standard reference books and fiction totaling 10,000 volumes. There are more than 100 periodical subscriptions, including seven newspapers, four of which are dailies.

In addition to the resources of the college library, students are encouraged to use the Savannah Public Library, which has a good reference department and much material of interest to students, including a large collection of fiction, government documents, microfilm copies of newspapers, and music records. The main building is on Bull Street and has a union catalog, listing the holdings of the Downtown Branch, Waters Avenue Branch, and of the Georgia Historical Society.

The library is fortunate in being the recipient of an outstanding collection of history books, a gift of the late Mayor Thomas Gamble, of Savannah.

Under the supervision of a trained librarian, two full-time assistants, and eight student assistants, the library is open on certain evenings for the use of the night school students, and each school day from 8:30 A. M. to 5:30 P. M.

COMMUNITY GUIDANCE CENTER

In December 1945 the Guidance Center began operation as a vocational counseling service under a contract between Armstrong College and the Veterans Administration. This contract is one of five similar arrangements in the State of Georgia; and it enables Armstrong to

employ a staff of professionally trained personnel to help veterans with their vocational planning problems. By the spring of 1950 approximately 4,856 veterans from a 38-county territory had taken advantage of this service, which the federal government provides free of charge to all men and women who served in the U. S. Armed Forces during World War II.

The counseling procedure consists mainly of helping clients discover or verify their assets and limitations (through testing of mental ability, special aptitudes, school achievement, interest pattern, and personal adjustment), and to relate this information about themselves to the "world of work" (through discussion, reading in occupational information files, and conference with persons already successful in occupations which seem interesting to the client).

In September 1946 the Guidance Center extended vocational counseling service to a limited number of young people and adults from the community-at-large on a "private" clinic, fee basis. Armstrong students, as referred by the faculty Counseling Committee, may be accepted without charge. At this same time the Guidance Center began to function as a psychological diagnostic clinic for children sent in by the schools, health and welfare agencies.

The Center is located in the Lane Building at 20 West Gaston Street, with testing and vocational counseling on the ground floor, and the Mental Hygiene Clinic occupying half of the main floor.

AUDIO-VISUAL INSTRUCTION

Many of the classrooms of the college are equipped with screens for the showing of films, which are used extensively by all of the departments. In the teaching of English, foreign languages and music, visual aids are supplemented by recordings.

UNIVERSITY OF GEORGIA OFF-CAMPUS CENTER

The President of Armstrong College is ex-officio University of Georgia representative in Savannah in the operation of the Off-Campus Center. The Center is supervised by a full-time director and utilizes the college plant. The evening college including work beyond the level of the junior college is under the supervision of the Off-Campus Center, a branch of the Extension Division of the University of Georgia.

HOMECOMING AND OPEN HOUSE

Twice each year the college invites the public to visit the campus. The week before Christmas Holidays, Homecoming is celebrated for all alumni and students with a parade, a reception, an intercollegiate basketball game, and the Christmas dance. All alumni, students and their friends are invited to attend.

During the Spring, the college is open to the general public for inspection during its annual Open House. Exhibits are prepared by the various departments interpreting the work done in the junior college. Those desiring may make tours of the college buildings and attend a social hour in the Home Economics Department.

STUDENT ASSISTANTS AND ASSOCIATES

The college employs each year a number of student associates and assistants to work with the faculty. These students find employment in the library, science laboratories, business office, and with the faculty. Students desiring one of these jobs should apply to the instructor in the department in which he is interested or to the President.

SCHOLARSHIPS AND LOANS

There are a number of scholarships and loans available for students. Application blanks may be secured by a request addressed to the President of Armstrong College. Applications for scholarships and loans for the school year beginning in September must be on file in the President's office by July 15. Applicants will be notified when personal interviews are scheduled.

PLACEMENT SERVICE

The Publicity Director at the college maintains a placement service for the benefit of employers and students. Anyone seeking part-time employment while in college, or full-time employment after leaving college, should place his name on file with this official.

COMMENCEMENT EXERCISES

Commencement exercises are held once each year in June. At this time the degree of Associate in Arts is awarded to those students who have met the requirements for graduation. At this time recognition is given to those students who qualify for scholastic honors. The Faculty and Graduates participate in full academic dress.

STUDENT CENTER

The college does not operate dormitories. The Student Center in the Hunt Building is open throughout the college day, affording recreation between classes. A snack bar serves hot lunches as well as cold snacks. A book store is also operated for the student's convenience.

STUDENT ACTIVITIES

The entire program of extra-curricular activities at the college is designed to help develop the whole individual and to assist him in becoming an active member of the community. The program comes directly under the Dean of Students who is assisted by the Student

Senate, composed of representatives from each recognized club or group. Each student is urged to participate in those activities which appeal to his interest or meet his needs.

ATHLETICS

The college engages in inter-collegiate basketball. All other sports at the college are operated on an intramural basis. Armstrong College was the champion of the Georgia Junior College League in 1948, semi-finalist in 1949, and finalist in 1950.

INTRAMURAL SPORTS

Intramural teams are organized into a men's league and a women's league for competition in certain major sports. At the end of the school year the champion in each league is awarded a trophy.

SOCIAL CLUBS

The college recognizes certain groups which are organized to foster social life among the students at the college.

PRE-PROFESSIONAL CLUBS

Some clubs are organized to acquaint students with the ideals and objectives of certain professional groups, as in the engineering and the science clubs.

CLASS CLUBS

These clubs are designed to encourage students to pursue their various intellectual interests beyond the instructional activities of the classroom, as the French club, the mathematics club, and others.

PUBLICATIONS

The college publishes the Inkwell, a newspaper; the Mercury, a magazine; and the 'Geechee, a year book. These afford students an opportunity to express their opinions on a wide variety of topics, to do creative writing and to gain practice in other journalistic activities.

RECREATION CLUBS

Armstrong is a community college. To fulfill this mission, the college extends its activities beyond the student body, inviting all interested citizens of the community to participate in different recreational groups. Outstanding among these is its community playhouse, the Glee Club, Film Forum, Great Books Seminar, the Music Club and other cultural groups. Members of the community, though not registered at the college, who are interested in any of these cultural activities are invited to participate.

SAVANNAH PLAYHOUSE

The Savannah Playhouse of Armstrong College is an example of a community project sponsored and directed by the college. Local citizens as well as students may gain here actual experience in acting, designing, construction, lighting, make-up and all the theater skills that make a good production.

Reactivated in 1947 after a five-year suspension of activity, the Playhouse quickly established its reputation as one of the leading non-professional theaters in the South with a calendar of five dramatic productions playing a total of 28 regular performances.

Major productions during the last three seasons include *My Sister Eileen*, *Winterset*, *The Importance of Being Ernest*, *Life With Father*, *Green Grow the Lilacs*, *Angel Street*, *The Taming of the Shrew*, *I Remember Mama*, *Charley's Aunt*, *The Barretts of Wimpole Street*, *The Drunkard*.

GLEE CLUB

The Armstrong Glee Club was reorganized in September, 1949. Its members are drawn from the student body and faculty. Besides giving two complete concerts at the college, one at Christmas and one in the Spring, the group has sung for many civic clubs in Savannah.

In April, 1950, the Glee Club made a trip to Macon, Georgia, to appear before the District Rotary Convention.

Rehearsals of one-hour duration are held three times a week. Membership is open to all interested students.

General Regulations

COUNSELING

To help a student "find himself" and select a definite objective early in his college program, the Armstrong staff administers to each entering freshman a series of interest, aptitude, and achievement tests. In the fall, these are given during Freshman Week and are scored prior to the student's interview with a counselor. On the basis of these objective measurements, the student's previous record, his interests and his family counsel, the student with the aid of his advisor decides on a program of study which will enable him to accomplish his purpose.

PHYSICAL EXAMINATIONS

All regular students are required to enroll for courses in physical education. Each student must submit a completed physical examination report on the forms furnished by the college before he can complete his registration. On the basis of the examinations, the physical education department will adapt a program of training suited to individual requirements.

COURSE LOAD

The unit of work for a regular student is 15-18 quarter hours per quarter. A nominal schedule of sixteen quarter hours presupposes that the average student will devote approximately forty-eight hours per week to his college classes and to his preparation therefor.

Permission to enroll for more than 18 quarter hours will be granted by the Registrar when curricular requirements make such action necessary, or when evidence as to the capacity of the student seems to justify that the privilege be granted.

Should a student's work load fall below the normal schedule, the student's parent or guardian (in case of veterans attending school under Public Law 16 and 346, the Veterans Administration) will be notified.

ADMISSION TO CLASS

Students will be admitted to class when the instructor is furnished by the Registrar an official class card indicating that he has completed his registration and paid his fees in the Business Office.

CONDUCT

Armstrong students are expected to conduct themselves as ladies and gentlemen. Compliance with the Commission and faculty regulations is assumed. The use on the campus of intoxicating beverages, gambling, and hazing are prohibited. The faculty approved the recom-

mendation of the Student Senate for consideration and handling of honor infractions in class work. This provision and other instructions contained in the Armstrong Handbook are official regulations.

REPORTS AND GRADES

It is felt by Armstrong that students in college should be held accountable for their own scholarship. Accordingly, report cards, warnings of deficient scholarship and other such notices are not sent out to parents or guardians by the college except by request. Instead the students themselves receive these reports and are expected to contact the counseling staff whenever their work is unsatisfactory. Report cards are issued at the end of each quarter. Reports of failing grades are issued in the middle of each quarter. Each student has access to a counselor, made up of the faculty members for purposes of advisement; and in addition, the Registrar, Dean of Students, and all instructors are available to help and advise any student seeking assistance.

Reports are based on the following system of grading:

A plus	Exceptional	4 honor points per quarter hour
A	Excellent	3 honor points per quarter hour
B	Good	2 honor points per quarter hour
C	Fair	1 honor point per quarter hour
D	Poor	No honor points per quarter hour
E	Conditional Failure	Conditions must be removed before mid-terms of the following quarter
F	Failure	Course must be repeated
W	Withdrew	Course must be repeated
W-F	Withdrew Failing	Course must be repeated

An "E" (conditional failure) may be removed by means stipulated by the instructor of the course in which the student received the grade "E". An "E" not removed by the mid-term of the succeeding quarter automatically becomes an "F". If a course in which an "E" grade was received is repeated, an "F" will be entered on the student's permanent record card for the first time the course was taken.

HONORS

Students who have been in attendance for three consecutive quarters taking a normal load and have achieved an average of "B" or better with no grade below that of "C" will be placed on a Permanent Dean's List in a book for that purpose kept in the office of the President. This list is published each June in the commencement program.

Graduates who meet the requirements for the Permanent Dean's List and who are graduating with an average of three honor points

per quarter hour, will be designated as graduating summa cum laude (with highest distinction). The designation cum laude (with distinction) will be bestowed upon those meeting the above requirements with an average of two honor points per quarter hour.

A valedictorian will be selected by the graduating class from among the five students with the highest scholastic averages in the work completed before the term in which the students graduate.

Students who make a grade of "B" or better in each course during any quarter will be placed on the Dean's Scholastic Attainment List.

ATTENDANCE

Students are expected to attend classes as scheduled. Any absence, whatsoever, from class work entails a loss to the student.

A student who has been absent from class for a valid reason should have the absence excused. The student will submit a written excuse to the instructor who will initial the excuse. The student will then turn the form in to the Registrar's office. Excuses must be submitted within seven days from the date the student returns to school; otherwise the absence will not be excused.

A student who has unexcused absences equal in number to the time the class meets in one week, and has one additional unexcused absence, will be dropped from class. The instructors will notify the Registrar when a student should be dropped from class. The Registrar will notify the student. The grade given a student who has been dropped will be either W or W/F, depending on the status of the student at the time he is dropped from class.

Students are required to attend the college's bi-weekly assemblies. Official announcements are made at these meetings.

WITHDRAWALS

A formal withdrawal, presented to the Registrar in writing is a prerequisite for honorable dismissal from, or re-entrance into, this institution. Any student planning to withdraw should immediately make such intentions known to the administration of the school in writing. This notice is required to receive any authorized refunds.

In order that a student may not receive a failing grade on his permanent record in the Registrar's office, he should make formal withdrawal from any class which he stops attending. The instructor's approval should be brought to the Registrar's office in writing.

Students will receive a prejudicial grade in a five-hour course dropped after the second week or in a three-hour course dropped after the third week of a quarter unless there are extenuating circumstances approved by the instructor.

GRADUATION

In order to graduate, a student must complete with a "C" average one of the programs of study consisting of approximately 100 hours which are listed under "Curricula". Students lacking 10 quarter hours or less for graduation may complete these hours at an accredited senior college and receive a diploma from Armstrong College upon application, furnishing the college with a transcript of the completed work.

To be considered as a candidate for graduation, a student should make application in the Registrar's office at least two quarters prior to the expected date of graduation.

RECOMMENDATIONS

The recommendations issued by the college are written in terms of the grades the student earns, and what his teachers think of him as expressed by them on a student rating form. These reports are part of his permanent record.

The records of the Registrar's office are consulted regularly by representatives of the Federal Bureau of Investigation, the Civil Service, the local Credit Bureau and other agencies having access to confidential records. These records are of vital importance to the student.

Curricula

GENERAL

Before registration, the student should **PLAN A PROGRAM OF STUDY WITH A COUNSELOR**. Even if a student knows what studies are required of him to graduate, he should have on record in the Dean of Students' office a copy of his program.

The Associate of Arts degree is conferred upon all students who complete at Armstrong College one of the programs of study outlined in the catalog. It is expected some students will want to change their objectives. The college desires to help them "find themselves."

Before registering and after a full discussion and consideration of his interests and qualifications with parents and friends who can help him, and after interviews with members of the faculty or a counselor, the student should decide what he is going to study. The student will then work out a tentative list of the subjects to be taken during each of the quarters he plans to be at Armstrong. This list will be kept for future reference so that he may build his program each quarter with a definite goal in mind.

If the student changes his objective and wishes to change his program of study, he will report this fact to his counselor.

If completion of his training involves going to another school after he leaves Armstrong, the following steps are urgent:

Secure the college's catalog and see what courses must be completed at Armstrong College to meet the degree requirements at the senior college;

Schedule the prerequisites for the courses to be taken later; make a list of the subjects to be taken at Armstrong College for each of the quarters before transferring, and be sure it includes all of the courses required for the junior class standing, if possible.

THE CORE CURRICULUM

There are certain bodies of knowledge and certain skills indispensable to every college trained man and woman. The understanding of one's environment and man's struggle to adapt it to useful ends, the ability to communicate his thoughts and feelings; right group-attitudes and coordinated physical activity—these objectives are set up in the following courses required of all students desiring to graduate from the college. An equivalent course taken at another institution is acceptable.

Freshman year: English 11-12-13; History 11-12-13; ten quarter hours of a laboratory science, and three quarters of physical education.

Sophomore year: English 21-22-23 and three quarters of physical education. Students enrolled in certain terminal courses described below may substitute English 20 and English 28 for English 21-22-23.

Students graduating in less than the six quarters of the regular session may reduce their physical education requirements accordingly. Physical education should be taken in the proper sequence and two courses should not be scheduled in any one quarter.

COURSE NUMBERS

Subjects listed from 10 through 19 indicate work that is usually taken in the freshman year; and from 20 through 30, subjects recommended for study in the sophomore year.

ASSOCIATE IN ARTS

CONCENTRATION-COMMERCE and BUSINESS ADMINISTRATION

SENIOR COLLEGE PREPARATORY*

Many students will wish to continue their business studies in a senior college. These students should enroll for the following program:

FIRST YEAR		SECOND YEAR	
Core Curriculum	31	Core Curriculum	12
Commerce 11a-b-Typing	4	Commerce 24-25-Accounting	10
Mathematics 11-12-Basic Mathematics	6	Economics 21-24-Introductory and Applied	10
Electives	9	Political Science 13 - American Government	5
	—	Electives	13
Total Hours	50		—
		Total Hours	50

* A student should consult the catalog of his prospective senior college for required subjects. Colleges differ as to what subjects are required for this course.

CONCENTRATION-BUSINESS ADMINISTRATION

TERMINAL

Many students will not continue their formal education after leaving Armstrong. To these students the college gives the opportunity to select those subjects which have a vocational value. Sufficient general education is included in the core curriculum to make this a well-rounded program.

FIRST YEAR

Core Curriculum	31
Economics 21-24-Introductory and Applied	10
Electives	9
	—

Total Hours 50

*If Shorthand is desired, one quarter of Accounting is to be substituted for Economics the first year.

**English 21-22-23 may be taken in lieu of these English courses.

SECOND YEAR

Commerce 11-a-b-Typing	4
*Commerce 12-a-b-c-Shorthand or Commerce 24-25-26-Accounting	15
**English 20-Composition	5
Commerce 27-28-Business Law	10
*English 28-Public Speaking	5
Physical Education	3
Electives	8
	—

Total Hours 50

CONCENTRATION-CHEMISTRY

SENIOR COLLEGE PREPARATORY

The student who wishes to concentrate in one field of study may take a program similar to the one described below for a major in chemistry. The junior college seeks to give a broad general education rather than to specialize in one particular field. For that reason it is advisable for the student to check the senior college catalog for which he is preparing and take only those courses which are transferable for credit.

FIRST YEAR

Core Curriculum	21
Chemistry 14-15-General	12
Chemistry 24-Qualitative Analysis	6
Mathematics 16-17-18-College Al- gebra, Trigonometry, Analytic Geometry	15
	—

Total Hours 54

SECOND YEAR

Core Curriculum	12
Chemistry 25-26-Quantitative Analysis	12
French	10
Mathematics 21-22-Differential and Integral Calculus	10
Electives	5
	—

Total Hours 49

CONCENTRATION-COMMERCE SECRETARIAL

TERMINAL

This program is designed to meet the needs of those students who wish to qualify for clerical positions in business.

FIRST YEAR

Core Curriculum	31
Commerce 11a-b-c-Typing	6
Commerce 12a-b-c-Shorthand	15
	—

Total Hours 52

*English 21-22-23 may be substituted for these English courses.

SECOND YEAR

Commerce 24-Accounting	5
*English 20-Composition	5
Commerce 17-Office Practice	5
Commerce 21a-b-c-Typing	6
Commerce 22a-b-c-Shorthand	15
*English 28	5
Physical Education	3
Electives	6
	—

Total Hours 50

CONCENTRATION-HOME ECONOMICS

SENIOR COLLEGE PREPARATORY

The vocational opportunities in this field are numerous. Preparation for marriage and personality development are other objectives of the home making courses.

FIRST YEAR

Core Curriculum	21
Home Economics 10-Orientation ..	3
Home Economics 11-Clothing ..	5
Home Economics 12-Foods	5
Mathematics 11-Basic Mathematics ..	3
Art 11-Creative	5
Chemistry 11-12-Introductory	10
	—
Total Hours	52

SECOND YEAR

Core Curriculum	12
Psychology 21-Introductory	5
Biology	10
Home Economics 21-Home Furnishing	5
Home Economics Elective	5
Sociology 21-Marriage and the Family	5
Elective	5
	—
Total Hours	47

CONCENTRATION-HOME ECONOMICS

TERMINAL

This course is designed to meet the needs of those women who plan to complete their college work at Armstrong. Sufficient electives are allowed to enable the student to select commerce subjects which have a vocational value or cultural subjects for worthy use of leisure time.

FIRST YEAR

Core Curriculum	31
Home Economics 11-Clothing ..	5
Home Economics 12-Foods	5
Psychology 21-Introductory	5
Elective	5
	—
Total Hours	51

SECOND YEAR

Core Curriculum	12
Home Economics 21-Home Furnishing	5
Home Economics 22-Nutrition	5
Sociology 21-Marriage and the Family	5
Electives	22
	—
Total Hours	49

CONCENTRATION-LIBERAL ARTS

SENIOR COLLEGE PREPARATORY

This program is recommended for candidates for an A.B. degree, pre-education, pre-law, pre-ministerial, journalism, and other pre-professional concentrations.

FIRST YEAR		SECOND YEAR	
Core Curriculum	31	Core Curriculum	12
Foreign Language	10	Two of the following courses:	10
*Mathematics 11-12-13-Basic Mathematics or Mathematics 16-17-College Algebra and Trigonometry	9	History 25-Recent European Political Science 13-American Government	
	—	Psychology 21-Introductory	
Total Hours	50	*Science	10
		Electives	18
			—
		Total Hours	50

*A student applying for admission to a senior college which does not require the amount indicated of this subject may, with the approval of his counselor, substitute other courses required by the senior institution. Students not planning to major in mathematics or physical sciences should postpone mathematics until the sophomore year and complete 15 hours of foreign language and 5 hours of an elective in the freshman year.

CONCENTRATION-LIBERAL ARTS

TERMINAL

To the students who will not continue their formal education after leaving Armstrong, this program gives the opportunity to select those subjects which are liberal in nature, giving one a better understanding of himself and his environment. Sufficient electives are allowed to enable the student to explore that field of knowledge in which he is particularly interested.

FIRST YEAR		SECOND YEAR	
Core Curriculum	31	Core Curriculum	12
Mathematics 11-12-Basic Mathematics	6	Psychology 21-Introductory	5
Electives	13	Sociology-Marriage and Family	5
	—	Electives	28
Total Hours	50		—
		Total Hours	50

CONCENTRATION-PHYSICAL EDUCATION

SENIOR COLLEGE PREPARATORY

The Physical Education Department is qualified to provide the first two years of preparation for a major in the field of health and physical education for those students planning to enter the field of education or supervised recreation.

FIRST YEAR	
Core Curriculum	21
Mathematics 11-12-13-Basic Mathematics or Mathematics 16-17-College Algebra and Trigonometry	9
Physics or Chemistry	10
Electives	10
	—

Total Hours50

SECOND YEAR	
Core Curriculum	10
Anatomy 1n and 2n	8
Home Economics 22-Nutrition ..	5
*Physical Education 23-24	4
Psychology 21-Introductory	5
Psychology 23-Child	5
Sociology 21-Marriage and Family ..	5
Electives	8
	—

Total Hours50

*Women will take Physical Education 29 and one other Physical Education course.

CONCENTRATION-PRE-DENTAL

SENIOR COLLEGE PREPARATORY

All courses for pre-professional degrees should conform to senior college requirements.

FIRST YEAR	
Core Curriculum	12
Chemistry 14-15-General	12
Mathematics 11-12-13-Basic Mathematics or Mathematics 16-17-College Algebra and Trigonometry	9
	—
Total Hours	52

SECOND YEAR	
Core Curriculum	12
French	10
Physics 11-12-Survey	12
Electives	15
	—
Total Hours	49

CONCENTRATION-PRE-MEDICAL

SENIOR COLLEGE PREPARATORY

All courses for pre-professional degrees should conform to senior college requirements.

FIRST YEAR	
Core Curriculum	12
Biology 11-12-General Zoology ..	10
Chemistry 14-15-General	12
Chemistry 24-Qualitative Analysis ..	6
Mathematics 16-College Algebra ..	5
Mathematics 17-Trigonometry	5
	—
Total Hours	50

SECOND YEAR	
Core Curriculum	21
Biology 23-Vertebrate Anatomy ..	6
Chemistry 25-Qualitative Analysis ..	6
French	10
Physics 11-12-Survey	12
	—
Total Hours	55

ONE YEAR PROGRAMS

CONCENTRATION-ENGINEERING

SENIOR COLLEGE PREPARATORY

This program will satisfy degree requirements for the first year of most types of engineering but should be varied for certain degrees such as chemical, electrical, etc. The student should obtain a catalog from the senior college he plans to attend and check this program against the requirements. The courses required for the freshman year have been worked out in consultation with the Georgia Institute of Technology.

Chemistry 14-15-General	12
English 11-12-13-Freshman	9
Engineering 11-12-13-Drawing	9
Engineering 26-Plane Surveying	2
History 11-12-13-Western Civilization (or Modern Language)	9
Mathematics 16-17-18-College Algebra, Trigonometry and Analytic Geometry ...	15
Physical Education 11-12-13	3
	—
Total Hours	59

CONCENTRATION-STENOGRAPHIC

A student who has only one year to spend in college may herein master some of the tools that will enable him to earn a livelihood.

Commerce 11a-b-c-Typing	6
Commerce 12a-b-c-Shortland	15
Commerce 17-Office Practice	5
Commerce 24-Accounting	5
English 20-Composition	5
English 28-Public Speaking	5
Physical Education 11-12-13	3
Electives	5
	—
Total Hours	49

CONCENTRATION-NURSING

Armstrong College offers the following courses in co-operation with the Warren A. Candler School of Nursing. With the permission of the instructor and the approval of the student's counselor, a student not enrolled in the School of Nursing may take any of the following courses.

Anatomy and Physiology 1n and 2n	8
Chemistry 1n	5
English 1n	3
Home Economics 2n	4
Microbiology 2n	4
Physical Education 11-12	2
Psychology 1n	3
Sociology 1n	3
Total Hours	32

Course Descriptions

GENERAL

Armstrong College reserves the right to (1) withdraw any course for which less than ten students register, (2) limit the enrollment in any course or class section, (3) fix the time of meeting of all classes and sections, and (4) offer such additional courses as demand and staff personnel warrant.

No credit will be given in beginning courses in commerce and languages where the same or similar courses have been presented for admission from high school.

Where two or more courses are listed under one description, no credit for graduation will be given until the sequence is completed.

After each course, the first number listed is the number of hours of lecture; the second, the number of hours of laboratory and the third, the number of hours of quarter-hour credit the course carries; e.g. (3-3-4) means 3 hours of class, 3 hours of laboratory, 4 quarter hours of credit.

A R T S (See Fine Arts)

BIOLOGY

Anatomy and Physiology 1n and 2n - (3-2-4.) Fall and Winter. Laboratory fee, \$2.50.

A two quarter course in human anatomy and physiology. The gross anatomy, some histology and physiology of the organ systems are presented in order to give the student an understanding of the human body as a basis for her further studies in clinical nursing. The laboratory work includes some dissection of the lower vertebrates and elementary experiments in physiology.

Biology 14 - General Zoology (3-4-5). Fall and Winter. Laboratory fee: \$3.50.

Introduction to animal structures and function and a survey of the invertebrate phyla. Laboratory work on invertebrates.

Biology 15 - General Zoology (3-4-5). Winter and Spring. Laboratory fee: \$3.50. Prerequisite: Biology 14.

Study of vertebrate structure and function, and using selected vertebrate material for laboratory dissection. Concludes with a study of the principles of Evolution and Genetics.

Biology 16-17-18 - Human Biology (3-1-3 1/3). Fall, Winter, and Spring. Laboratory fee, \$1.00.

A three quarter course for terminal students beginning with a survey of the basic biological principles and then a study of the structure and function of the human body. Principles of Evolution and Genetics will be discussed in the last quarter. One hour laboratory a week on selected vertebrates.

Biology 22 - Invertebrate Zoology (3-6-6). Spring. Laboratory fee: \$5.00. Prerequisite: Biology 14 and 15.

A study of the structure and function of invertebrates including their economic relation to man. Field trips included for natural habitat study.

Biology 23 - Comparative Vertebrate Anatomy (3-6-6). Fall. Laboratory fee: \$5.00. Prerequisite: Biology 14 and 15.

A study of the anatomy and evolution of the organ systems of the vertebrates. Laboratory work on *Squalus*, *Necturus* and the cat.

Microbiology 1n - (3-2-4). Spring. Laboratory fee: \$2.50.

An introduction to micro-organisms as living organisms and as pathogens. The structure, life history and public health importance of representative viruses, bacteria, molds, protozoa and helminths are considered. The laboratory work includes the techniques of culturing bacteria and the study of the scientific basis of antiseptic and aseptic procedures.

CHEMISTRY

Chemistry 1n - (4-3-5). Laboratory fee, \$2.50.

The purpose of this course is to acquaint students with the principles of inorganic, organic and physiological chemistry with special applications to nursing practice.

Chemistry 11 - Introductory General Chemistry (4-2-5). Winter. Laboratory fee, \$3.50.

This is an introductory course designed for the non-science students. A study of some of the elements and their compounds and a review of practical chemistry are included.

Chemistry 12 - Introductory General Chemistry (4-2-5). Spring. Laboratory fee, \$3.50.

A continuation of Chemistry 11.

Chemistry 14-15 - General Chemistry (5-3-6). Fall and Winter. Laboratory fee, \$3.50. Prerequisite: two years of high school mathematics.

This is the course in general descriptive chemistry. It will meet the freshman requirements in chemistry of engineering, science and pre-medical students. The fundamental laws of chemistry and some elements and their compounds are studied.

Chemistry 24 - Qualitative Analysis (3-6-6). Spring. Laboratory fee, \$5.00. Prerequisite: Chemistry 15, Mathematics 16.

The lectures include a study of the theoretical and fundamental principles of the subject, as well as a thorough study of the reactions of the more important ions. The laboratory work includes the systematic analysis for both anions and cations by a semi-micro scheme.

Chemistry 25 - Quantitative Analysis (3-6-6). Winter. Laboratory fee, \$5.00. Prerequisite: Chemistry 24.

This is an elementary course in quantitative analysis.

Chemistry 26 - Quantitative Analysis (2-8-6). Spring. Laboratory fee, \$5.00. Prerequisite: Chemistry 25.

This is a more advanced course in quantitative analysis with emphasis on gravimetric and instrumental methods of analysis.

COMMERCE

Commerce 11a-b - Beginning Typing (0-5-2). Fall and Winter. Laboratory fee, \$3.50.

This course consists of introductory instruction in the technical features and care of the machine, position, fingering, proper technique and mastery of the keyboard. An average speed of 40 words a minute is attained at the end of the second course.

Commerce 11c - Intermediate Typing (0-5-2). Spring. Laboratory fee, \$3.50. Prerequisite: Commerce 11a-b or equivalent.

A typewriter course in which emphasis is placed on speed building and accuracy. Special typing problems such as business letters, minutes, notices, stencil cutting and carbon copies are stressed.

Commerce 12a-b - Beginning Shorthand (5-0-5). Fall and Winter.

Complete theory of Gregg Shorthand in the manual. Additional reading and dictation given from the Speed Studies.

Commerce 12c - Intermediate Shorthand (5-0-5). Spring.

Dictation and transcription of new and studied material. Student is required to take dictation at the rate of eighty words a minute.

Commerce 13a - Burroughs Calculator and Comptometer (0-5-2). Fall. Laboratory fee, \$3.50.

The objective of this course is to build speed and accuracy in the operation of the Burroughs Calculator and Comptometer and a thorough review of business mathematics. This quarter is devoted to the operation of the four fundamentals in arithmetic of the calculator.

Commerce 13b - Burroughs Calculator and Comptometer (0-5-2). Winter. Laboratory fee, \$3.50.

The following business mathematics are reviewed and applied on the machine during this quarter: decimal equivalents, split divisions, invoicing over the fixed decimal, percentages, discounts, and chain discounts, costs, selling price and rate of profit.

Commerce 13c - Burroughs Calculator and Comptometer (0-5-2). Spring. Laboratory fee, \$3.50.

The third quarter is a continuation of business problems on the machine. The transactions covered are reciprocals, figuring grain, cipher, division, prorating cost and expenses, gross and dozen in invoicing inventories.

Commerce 15 - Business Communications (3-0-3). Not offered 1950-51.

A study of business correspondence, letters, information reports, follow-up sales programs, statistical analysis and inter-office communications. Stress is placed on the mastery of fundamentals of clear writing.

Commerce 17 - Office Practice (5-0-5). Spring.

Typical business office situations are duplicated as nearly as possible. Practical problems deal with dictation and transcription, typing, operation of the mimeograph, filing and office courtesy.

Commerce 19 - Modern Business Mathematics (3-0-3). Spring. Prerequisite: Mathematics 11-12 or its equivalent.

This course gives that background necessary for dealing with problems found in banking, real estate, financing, and accounting: the operation of the compound-interest law in business; simple problems concerning bonds, sinking funds, valuation of properties, annuities, and insurance. Practical problems in these fields will be emphasized. The necessary aids and shortcuts with use of tables and logarithms will be studied.

Commerce 21a - Advanced Typing (0-5-2). Fall. Laboratory fee, \$3.50. Prerequisite: Commerce 11c or equivalent.

Advanced typing is a course in the acquisition of speed and accuracy including various legal forms and papers, manuscripts and business papers. An average of 65 words a minute is attained.

Commerce 21b - A continuation of Commerce 21a (0-5-2). Winter. Laboratory fee, \$3.50.

Commerce 21c - A continuation of Commerce 21b (0-5-2). Spring. Laboratory fee, \$3.50.

Commerce 22a - Advanced Shorthand (5-0-5). Fall. Prerequisite: Commerce 12a, b, c.

A course in which the principles of Gregg Shorthand are applied in developing skill and accuracy in writing shorthand and in transcribing. The first half year is devoted to dictation of general business material; the second half, to dictation material applying to 16 major vocations. A speed of 120 words a minute for 5 minutes is required.

Commerce 22b - A continuation of Commerce 22a (5-0-5). Winter.

Commerce 22c - A continuation of Commerce 22b (5-0-5). Spring.

Commerce 23a - Advanced Calculator and Comptometer (0-5-2). Fall. Laboratory fee, \$3.50.

The next two quarters are devoted to the application of the machine and business mathematics to the following businesses: drugs, hardware, electrical, plumbing, contracting, wholesale paper, pay roll, packing house, creameries and dairies, laundries, steel and iron, department stores, banks, lumber, petroleum, railroads.

Commerce 23b - A continuation of Commerce 23a (0-5-2). Winter. Laboratory fee, \$3.50.

Commerce 23c - Advanced Calculator and Comptometer (0-5-2). Spring. Laboratory fee, \$3.50.

Speed, skill and accuracy in the operation of the machine are stressed in this last period.

Commerce 24 - Principles of Accounting, Introductory (5-0-5).

An introduction to the fundamental principles and procedures of accounting, including a study of the journal, the ledger, accounting statements, controlling accounts, special journals and the accounting system.

Commerce 25 - Principles of Accounting, Introductory (5-0-5). Winter. Prerequisite: Commerce 24.

An application of accounting principles to certain problems such as the proprietorship, the partnership, the corporation, departmental operations, manufacturing accounts and the analysis of accounting statements.

Commerce 26 - Principles of Accounting, Intermediate (5-0-5). Spring. Prerequisite: Commerce 25.

Basic accounting theory with emphasis on the various forms of business organization, assets, liabilities and reserves.

Commerce 27 - Business Law (5-0-5). Winter.

Contracts: offer and acceptance, consideration, performance, rights of third parties and discharge. Agency: creation of an agency, powers, liabilities of principal and agent. Negotiable instruments: elements of negotiability, endorsement, and transfer, liabilities of parties, discharge.

Commerce 28 - Business Law (5-0-5). Spring. Prerequisite: Commerce 27.

Partnership: formation, powers, liabilities of partners, termination. Corporation: formation, powers, rights of security holders, types of securities. Sales: vesting of title, warrants, remedies.

ECONOMICS

Economics 21 - Principles of Economics (5-0-5). Fall and Summer.

A study of the principles behind the economic institutions of the present time and an examination of some of the economic problems in the modern world.

Economics 24 - Problems of Economics (5-0-5). Spring. Prerequisite: Economics 21.

A study of economic problems based upon the principles studied in Economics 21.

ENGINEERING

Engineering 11 - Engineering Drawing (0-6-3). Fall.

Topics of study include lettering, the use of the instruments, orthographic projection, auxiliary views, section, pictorial representations.

Engineering 12 - Engineering Drawing (0-6-3). Winter. Prerequisite: Engineering 11.

Topics of study include sections, dimensions, limit dimensions, threads, and fastenings, shop processes, technical sketching, working drawings, pencil tracing on paper, reproduction processes.

Engineering 13 - Engineering Drawing (0-6-3). Spring. Prerequisite: Engineering 12.

Topics of study include technical sketching of piping and fittings, working drawings, ink tracing on cloth, working drawings from assemblies and assemblies from working drawings.

Engineering 21 - Descriptive Geometry (0-3-1). Fall. Prerequisite: Engineering 11. Not offered in 1950.

Topics of study include the solution of problems involving points, lines and planes by auxiliary view methods. Practical applications are emphasized.

Engineering 22 - Descriptive Geometry (0-3-1). Winter. Not offered in 1951.

A continuation of subjects studied in Engineering 21 including solutions by rotation methods, simple intersections, the development of surfaces.

Engineering 23 - Descriptive Geometry (0-3-1). Spring. Not offered in 1951.

Topics studied include the intersection of surfaces; warped surfaces. Practical appliances are emphasized.

Engineering 26 - Plane Surveying (1-3-2). Spring. Prerequisite: Mathematics 17.

Theory of practice in chaining, differential and profile leveling, traversing, topographic surveying, reduction and plotting of field notes and mapping.

ENGLISH

English 1n - (3-0-3).

A basic course in the fundamentals of reading, writing, and speaking English.

English 11 - Freshman English (3-0-3). Fall and Spring.

This course covers a review of punctuation and the fundamentals of grammar, theme writing, and vocabulary building. Also the student reads and discusses selections from the work of several of the most prominent literary figures of the Western World.

English 12 - Continuation of English 11 - (3-0-3). Fall, Winter and Summer.

English 13 - Continuation of English 12 - (3-0-3). Winter, Spring and Summer.

In English 11-12-13 selections from the works of the following authors will be read: Homer, Sophocles, Chaucer, Montaigne, Cellini, Voltaire, Checkov, Hardy, as well as those of certain English Romantic poets.

English 20 - Composition (5-0-5). Fall.

A general review of grammar, composition, and vocabulary. The student will have practice in the writing of themes, reports and business letters. Several books will be assigned for reading and discussion.

English 21 - Survey of World Literature (3-0-3). Fall and Spring.

This course is designed to give the student a knowledge of the principal works of certain major writers. The student reads in some detail several hundred pages from the works of selected authors whose thought or style has been of world-wide significance. The last third of the course deals with modern trends in literature and thought. At intervals, students are asked to write papers, and emphasis is constantly placed on the improvement of the student's ability to express himself.

English 22 - Continuation of English 21 (3-0-3). Fall, Winter and Summer.

English 23 - Continuation of English 22 (3-0-3). Winter, Spring and Summer.

In English 21-22-23 selections from the works of the following authors will be read: Shakespeare, Milton, Goethe, Keats, Whitman, Ibsen; also selections from the Bible. The last quarter will be devoted to a consideration of representative works of contemporary writers in England and America.

English 24 - An Introduction to Poetry (3-0-3). Not offered in 1951.

A study of the various types and forms of poetry with special emphasis on the works of the more recent British and American poets.

English 25 - American Literature (5-0-5). Not offered in 1951.

A survey of American literature and culture. In this course the student reads somewhat fully from works of a comparatively small number of notable and representative American writers. This course is primarily devoted to reading and discussion, but each student is asked also to select one particular period or author for concentration, making reports and writing papers in that phase of the work.

English 26 - Advanced Composition (5-0-5). Winter.

Advanced writing practices. The course is designed to equip the student to express his ideas in clear, well-organized and interesting

prose. Various techniques of composition are considered, but the main portion of the course is devoted to the writing and re-writing of exposition.

English 27 - Reading Modern Drama (5-0-5). Spring.

Students will participate in class reading and discussion of selected dramas. The plays will not be acted. The course is expected to improve the student's diction and reading.

English 28 - Public Speaking (5-0-5). Winter.

Fundamental principles involved in group discussion and the preparation and delivery of original speeches for formal and informal occasions.

FINE ARTS

Art 11 - Creative Art (2-6-5). Winter.

Drawing, art principles and design with work in other media at the discretion of the instructor. Some application will be made to poster-making, lettering and everyday life needs.

Drama 11 (3-4-5). Fall. Not offered 1950.

A study of modern theatre practice, both technical and administrative. In the laboratory students will become a part of an active producing company. Plays will be selected, cast, directed, designed, lighted and costumed by students, and will be performed before invited audiences. The group will work directly with the Savannah Playhouse.

Drama 12 (3-4-5). Winter. Not offered 1951.

Continuation of Drama 11. Students encouraged to specialize in one of the various departments of production. No prerequisites.

Drama 13 (3-4-5). Spring. Not offered 1951.

Special emphasis on acting.

Music 11 - Elementary Theory and Sight-Reading (5-0-5). Fall.

A course designed to teach the student to read music at sight and to understand the fundamental principles of music theory. Melodic dictation, melody writing and an introduction to elementary harmony are included.

Music 12 - Advanced Theory and Sight-Reading (5-0-5). Winter. Prerequisite: Music 11.

A continuation of Music 11, including melodic and harmonic composition.

Music 20 - Great Music (5-0-5). Spring.

A course designed to help the reader understand and enjoy great music. Several works will be analyzed in detail as to form, harmony and structure. A text will be used for factual background, class time being concentrated on brief exposition of themes followed by listening to records. Classic, romantic and modern composers will be studied.

FOREIGN LANGUAGES

FRENCH

French 11-12 - Elementary French (5-0-5). Fall and Winter.

A course for beginners. Emphasis is placed on the spoken language. Grammar and reading are included in the course. Practice with records is required outside of regular class hours.

French 21 - Intermediate French (5-0-5). Fall and Spring. Prerequisite: Two quarters of college French or two years of high school French.

Review grammar, oral practice, reading of selected texts.

French 22 - Intermediate French, continued (5-0-5). Winter. Prerequisite: Three quarters of college French or three years of high school French.

Further reading of texts, oral and composition practice.

French 23 - Introduction to Literature (5-0-5). Spring. Prerequisite: French 22. Not offered in 1950-51.

A survey course with particular emphasis on the nineteenth century. Written and oral reports on collateral readings.

French 24 - French Classic Drama (5-0-5). Spring. Prerequisite: French 22.

Selected plays of Corneille, Moliere and Racine are studied. Four plays are read in class and four plays read as collateral.

GERMAN

German 11-12 - Elementary German (5-0-5). Fall and Winter. Not offered in 1950-51.

Drill in fundamentals. Grammar, oral and written practice, early reading of selected material in German. Second part is devoted to additional grammar and conversation.

German 21 - Review Grammar (5-0-5). Spring. Not offered in 1951.

SPANISH

Spanish 11-12 - Elementary Spanish (5-0-5). Fall and Winter.

These courses are for the purpose of providing the student with the elements of Spanish by reading, composition and speaking.

Spanish 21 - Intermediate Spanish (5-0-5). Fall and Spring.

Grammar review, composition and selected prose readings.

Spanish 22 - Advanced Spanish (5-0-5). Winter.

The purpose of this course is to increase the student's facility in writing and speaking Spanish. Selected masterpieces of Spanish literature are read.

Spanish 23 - Commercial Spanish (5-0-5). Spring. Not offered in 1950.

A study of business letters and forms used by the Spanish-speaking world and of the vocabulary of trade, travel and communication.

Spanish 24 - Modern Prose Readings (5-0-5). Spring.

This course provides intensive reading of novels, plays and short stories of nineteenth and twentieth century Spanish and Latin-American authors.

HISTORY

History 11 - An Historical Introduction to Contemporary Civilization (3-0-3). Fall and Spring.

This course comprises a chronological survey of the main currents of political, social, religious and philosophical thought in Western Civilization from the period of the sixth century in Greece to the present time.

History 12 - A continuation of History 11 (3-0-3). Fall, Winter and Summer.

History 13 - A continuation of History 12 (3-0-3). Winter, Spring and Summer.

In addition to a chronological treatment of events studied in the above courses, the dynamics of Western Civilization are studied in works of the following authors: Plato, Lucretius, St. Augustine, Dante, Machiavelli, Descartes, Locke, Swift, Rousseau, Adam Smith, Ricardo, Malthus, Bentham, Carlyle, Marx, Shaw and Hersey.

History 11-12-13 are required of all students seeking an Associate degree from Armstrong College and are designed to be complementary with English 11-12-13.

History 22 - Latin American (5-0-5). Spring.

This course deals with the colonial, revolutionary and recent developments in the countries of Hispanic America.

History 25 - Recent European History (5-0-5). Spring.

This course is designed to provide an opportunity for detailed study of major national and international developments in European affairs from about 1870 to the present time. Special emphasis is devoted to the First World War and new developments in Europe following that war and the complex of world events which preceded the Second World War.

History 26 - Recent American History (5-0-5). Fall and Winter.

This course has as its purpose the examination of the most important events and movements, political, social and cultural, in American life from about 1900 to the present time.

HOME ECONOMICS

Home Economics 10 - Orientation (3-0-3). Fall.

An introduction to home economics that gives the student some idea of the vocational opportunities in this field so she will be able to take better advantage of her course of study in college.

Home Economics 2n - Nutrition and Food Preparation (3-2-4). Laboratory fee, \$4.00

The fundamental principles of nutrition and food preparations are considered. The nutrition requirements of children and of adults are compared. Special attention is given to the nutrition requirements of childhood and pregnancy.

Home Economics 11 - Clothing (2-6-5). Fall and Spring. Laboratory fee, \$1.00.

A study of clothing to suit the individual needs and the application of art principles to dress, together with problems in clothing construction in laboratory periods will be pursued.

Home Economics 12 - Foods (3-4-5). Fall and Spring. Laboratory fee, \$7.00.

An introduction to the basic food and family meal service. Complete meals are prepared and served in each laboratory period.

Home Economics 13 - Catering (2-6-5). Winter. Laboratory fee, \$7.00. Prerequisite: Home Economics 12, or consent of instructor.

A more advanced approach to food preparation and selection. Foods are purchased and prepared for special occasions, such as formal dinners, luncheons, receptions and teas.

Home Economics 21 - Home Furnishing (4-3-5). Fall. Laboratory fee, \$2.00. Prerequisite: Art 11 or consent of the instructor.

A study of the home from the standpoint of family needs. Both the interior and exterior of the home are considered with reference to such topics as home lighting, wall treatments, floor coverings, and storage space. Period styles of furniture from those of ancient times to the present are studied.

Home Economics 22 - Nutrition (5-0-5). Spring. Prerequisite: Chemistry 11 or 12, or consent of the instructor.

A consideration of the laws governing the food requirements of individuals for maintenance and growth of the body. The food nutrients and their contributions to the daily dietary are studied.

Home Economics 23 - Advanced Clothing (2-6-5). Winter. Laboratory fee, \$1.00.

Lectures cover garment selection and wardrobe planning and an introduction to the study of textiles. Laboratory periods are devoted to developing more advanced techniques in clothing construction.

JOURNALISM

Journalism 11 - (1-2-2). Fall.

Students gain practical experience in working out editorial, mechanical and business problems dealing with a publication.

Journalism 12 - A continuation of Journalism 11 (1-2-2). Winter.

Journalism 13 - A continuation of Journalism 12 (1-2-2). Spring.

MATHEMATICS

Mathematics 11 - Basic Mathematics (3-0-3). Fall and Spring.

Mathematics 11, 12, and 13 is a terminal sequence, giving information about the genesis and development of mathematics. An introduction to inductive and deductive methods; Euclidean and non-Euclidean systems; theory of arithmetic numbers, operations and measurements; and logarithms.

Mathematics 12 - Basic Mathematics (3-0-3). Winter and Summer. Prerequisite: Mathematics 11.

A continuation of the course started in Mathematics 11; variation; interest and annuities; progressions of numbers; combinations and probability; functional relationships; and the binomial theorem.

Mathematics 13 - Basic Mathematics (3-0-3). Spring and Fall. Prerequisite: Mathematics 12.

Advanced circular functions; equations; common curves; and statistical concepts.

Mathematics 16 - College Algebra (5-0-5). Fall and Spring. Prerequisite: Two years of high school algebra and one of Plane Geometry. (Students with insufficient preparation may audit Mathematics 16).

A course in advanced algebra planned for mathematics or science majors. The course consists of functions and graphs; logarithms; linear and quadratic equations; the binomial theorem; complex numbers and the elementary theory of equations.

Mathematics 17 - Trigonometry (5-0-5). Fall and Winter. Prerequisite: Mathematics 16.

A course covering the solution of the right and general triangle; the general solution of trigonometric equations; trigonometric identities; polar coordinates and the use of the slide rule.

Mathematics 18 - Plane Analytic Geometry (5-0-5). Winter and Spring. Prerequisite: Mathematics 17.

Analytic geometry of the point, line and circle; elementary conic sections; polar coordinates; transcendental curves and transformation of coordinates.

Mathematics 21 - Differential Calculus (5-0-5). Fall. Prerequisite: Mathematics 18.

Theory of differentiation, with application to tangents; maxima and minima; rates; curvature; velocity and acceleration; approximations; and Newton's method.

Mathematics 22 - Integral Calculus (5-0-5). Winter. Prerequisite: Mathematics 21.

Formulas and methods of integration; single integration applied to areas and lengths; volumes and surfaces of revolution; centroids and moments of inertia; pressure and work.

Mathematics 23 - Differential and Integral Calculus (5-0-5). Spring. Prerequisite: Mathematics 22. Not offered in 1950-51.

The law of the mean and indeterminate forms; series, with applications; partial and total derivatives, with applications; essentials of solid analytic geometry; multiple integration, applied to areas, volumes, centroids and moments of inertia.

MUSIC

(See Fine Arts)

PHYSICAL EDUCATION

Physical Education 11 - Conditioning Course (0-3-1). Fall.

Consists in calisthenics; stunts and tumbling; lifts and carries; road work, dual combatives; and simple games.

Physical Education 12 - Team Sports (0-3-1). Winter.

Consists of elementary basketball, soccer, or speedball.

Physical Education 13 - Elementary Swimming (0-3-1). Spring.

Physical Education 18 - Advanced Basketball for Men (0-3-1). Winter.

Physical Education 20 - First Aid and Safety Education (4-0-3).

The American Red Cross standard course in first aid is followed by a broad consideration of the opportunities for safety teaching in the school program.

Physical Education 21 - Elementary Tennis (0-3-1). Fall.

Physical Education 22 - Elementary Boxing for Men (0-3-1). Winter.

Physical Education 23 - Senior Life Saving and Instructors' Course in Swimming for Men (0-5-2). Spring.

Physical Education 24 - Boxing for Teachers (2-3-2). Winter.

Physical Education 25 - Folk Rhythms (0-3-1). Fall.

Physical Education 26 - Modern Dance for Women (0-3-1). Winter.

Physical Education 27 - Tap Dance for Women (0-3-1). Winter.

Physical Education 28 - Adult Recreative Sports (0-3-1). Spring.

Consists of passive, semi-active, and active games and sports which have carry-over value for later life.

Physical Education 29 - Folk Rhythms for Teachers (2-3-2). Fall.

Physical Education 30 - Archery (0-3-1). Spring.

PHYSICS

Physics 10 - Physics Survey (5-2-6). Spring. Laboratory fee, \$2.50.

A study of the fundamentals of physics. Emphasis will be placed on the theories necessary to explain heat, electricity and mechanics as used in the home.

Physics 11 - General Physics (5-2-6). Fall. Laboratory fee, \$2.50.

A study of mechanics and heat, force, motion, simple machines, the mechanics of fluids, and heat.

Physics 12 - General Physics (5-2-6). Winter. Laboratory fee, \$2.50.

A study of electricity, sound and light, electrostatics, magnetism, and simple circuits.

Physics 21 - Mechanics (5-3-6). Fall. Not offered 1950. Laboratory fee, \$2.50. Prerequisite: Mathematics 13. (Mathematics 21 should be taken concurrently.)

A study of statics, kinetics, elasticity, hydrostatics, mechanics of gases, fluids in motion, surface tension and capillarity. The theory of errors will be included in the laboratory work.

Physics 22 - Electricity (5-3-6). Winter. Not offered 1951. Laboratory fee, \$2.50. Prerequisite: Physics 21 and Mathematics 21.

A study of magnetism, electrostatics, batteries, electrical measurements, electromagnetism, induced currents, electrical machinery, electrical oscillations, and thermo-and photo-electric emission.

Physics 23 - Heat, Light and Sound (5-3-6). Spring. Not offered 1951. Laboratory fee, \$2.50. Prerequisite: Physics 22 and Mathematics 22.

A study of thermal expansion heat measurements, change of state, heat and energy, propagation of heat, production and transmission of sound waves, reflection and refraction of light, dispersion, interference and polarization of light.

POLITICAL SCIENCE

Political Science 13 - Government in the United States (5-0-5). Fall and Winter.

A study is made of the structure, theory, workings of the national government in the United States and some of the major problems of the state and local government. The course shows how developmental practice has arrived at our government as it stands today.

PSYCHOLOGY

Psychology 1n - (3-0-3).

This course is an introduction to the study of human behavior with emphasis on the underlying principles of mental adjustments. The importance of the nurse's own personality is stressed.

Psychology 21 - Introductory Psychology (5-0-5). Fall and Spring.

An introductory course in psychology, including discussions of learning, memory, behavior, psycho-biological relationships, morale and motivation. The facts and principles from scientific research in psychology are applied to the student in his present use of college experience.

Psychology 22 - Social Psychology (5-0-5). Winter. Prerequisite: Psychology 21.

This course is an introduction to the psychology of groups. An analysis is made of the psychological and socio-cultural motivation of the individual from infancy to adulthood from the standpoint of his group relationships. Special attention is given to a study of leadership, the development of radical and conservative qualities, propaganda, war, facism, communism, delinquency and public opinion.

Psychology 23 - Child Psychology (5-0-5). Spring. Prerequisite: Psychology 21.

A study of the developmental factors operating in a child's experience that make for, or interfere with, effective expression of his capacities and effective adjustment to life situations. Sources are drawn from experimental research and from the findings of analytical psychology.

Psychology 25 - Psychology of Adjustment (5-0-5). Winter.

In this course emphasis is placed on the types of adjustment, the development and measurement of personality traits and techniques of mental health.

PUBLIC SPEAKING

(See English 23)

SOCIOLOGY

Sociology 2n - (3-0-3).

This course considers (1) the principles of sociology; (2) the nurse as a citizen of the community and as a professional worker; (3) the importance of the hospital among the social agencies in the community; (4) the patient in the hospital coming from the family and returning to the family.

Sociology 20 - Introductory Sociology (5-0-5). Fall.

A study of the principles of social organizations in American culture based on scientific studies of groups, "races," population and of the institutionalized functions of society.

Sociology 21 - Marriage and the Family (5-0-5). Winter and Spring.

A study of family backgrounds, preparation for marriage, marriage interaction and family administration, family economics, problems of parenthood, family disorganization. A study of the family in the post-war period and present trends in family life are included.

SPANISH

(See Foreign Languages)

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Armstrong College
SAVANNAH
GEORGIA

For Reference

Not to be taken from this room

1951 - 1952

FALL

WINTER

SPRING

SUMMER

Bulletin of
Armstrong College

A Junior College Maintained
by the City of Savannah



18343

Membership In

American Association of Junior Colleges
Southern Association of Colleges and Secondary Schools
Association of Georgia Colleges
Georgia Association of Junior Colleges

VOLUME XVI

NUMBER 1

**ARMSTRONG COLLEGE
LIBRARY**

CALENDAR FOR 1951-1952

FALL QUARTER

Freshman testing and Sophomore counseling	September 17
Freshman Orientation	September 18-22
Registration	September 24
Classes begin	September 25
Last day to register for credit	October 5
Mid-term reports due	October 26
Thanksgiving Holidays	November 22-25
Pre-registration	December 5-7
Examinations	December 12-14
Parade and Basketball Game	December 15
Homecoming Reception and Dance	December 17
Christmas Holidays	December 17-January 1

WINTER QUARTER

Registration	January 2
Classes begin	January 3
Last day to register for credit	January 11
Mid-term reports due	February 1
Pre-Registration	March 3-5
Examinations	March 12-14
Spring Holidays	March 15-23

SPRING QUARTER

Registration	March 24
Classes begin	March 25
Last day to register for credit	April 4
Mid-term reports due	April 25
Pre-registration Summer and Fall Quarters	May 21-23
Examinations	June 2-4
Sophomore Party	June 6
Sophomore-Alumni Luncheon	June 7
Graduation	June 9

SUMMER SESSION

Registration	June 16
Classes begin	June 17
Holiday	July 4
Examinations	July 25

SUMMER SESSION — EVENING COLLEGE

Registration	June 16
Classes begin	June 17
Holiday	July 4
Examinations	August 27 and 29

Administration

THE COLLEGE COMMISSION

HERSCHEL V. JENKINS	- - - - -	<i>Chairman</i>
WILLIAM MURPHEY	- - - - -	<i>Vice-Chairman</i>
JAMES BARNETT		JAMES P. HOULIHAN, <i>Ex-officio</i>
MORRIS BERNSTEIN		G. PHILIP MORGAN, SR.
BENJAMIN H. LEVY, <i>Ex-officio</i>		MRS. WILLIAM F. ROBERTSON
OLIN F. FULMER, <i>Ex-officio</i>		FRED L. SHEAROUSE
ALFRED T. VICK, <i>Ex-officio</i>		

THE FACULTY

FOREMAN M. HAWES, A. B., M. A.	<i>President</i>
ARTHUR M. GIGNILLIAT, A. B., M. A.	<i>Director of the Evening College</i>
W. ORSON BEECHER, A. B., M. A.	<i>Dean of Students</i>
BARBARA COWAN ANCHORS, A. L. A., Armstrong College	<i>Assistant to the Librarian</i>
W. ORSON BEECHER, A. B., and M. A., Emory University; M. A. University of Georgia	<i>Instructor in History</i>
LAURA BLAKELEY, B. S., and M. A., Peabody College	<i>Instructor in Mathematics</i>
STEPHEN P. BOND, Bachelor of Science and Architecture, Georgia Institute of Technology	<i>Instructor in Engineering</i>
ARTHUR M. CASPER, B. S., Beloit College; M. S., University of Wisconsin	<i>Instructor in Mathematics</i>
ANNA CONE, A. L. A., Armstrong College; B. A., University of Georgia	<i>Secretary to the Dean of Students</i>
ANNE K. CROLLY, B. A., Ursuline College of New Orleans	<i>Assistant Registrar</i>

WILLIAM M. DABNEY, A. B. and M. A., Ph. D., University of Virginia
Instructor in History and Political Science

LAMAR DAVIS, B. S., University of South Carolina
Instructor in Business Administration

ELEANOR J. DOYLE, B. S., Immaculata College; M. A., Catholic University of America; Graduate Study, Tulane University
Instructor in Spanish and Director of Publications and Publicity

ARTHUR M. GIGNILLIAT, A. B., and M. A., University of Georgia
Instructor in English

NOMA LEE GOODWIN, A. B., and M. A., Duke University
Instructor in English

*WALTER T. JOHNSTON, B. S., in L. S., Peabody College; M. A., Peabody College
Librarian

MARGARET SPENCER LUBS, B. M., Converse College; A. B., University of Georgia; M. A., Columbia University
Instructor in French

ELMO M. MCCRAY, JR., B. S., and M. S., University of Alabama
Instructor in Biology

ROBERT M. MIZELL, JR., B. S., University of North Carolina; M. S., Emory University
Instructor in Chemistry

DOROTHY MORRIS, B. S., University of Tennessee
Instructor in Physical Education

MARJORIE A. MOSLEY, Associate in Finance and Commerce, Armstrong College
Secretary to the President

HINCKLEY A. MURPHY, B. A., Vanderbilt University; M. A., Columbia University
Instructor in English

*On Leave of Absence.

JOSIE R. NELSON, Graduate of Banks Secretarial School
Bookkeeper

ELIZABETH POUND, Georgia State College for Women, State Teachers
College
Director of Student Center

IRVINE N. SMITH, A. B., and M. A., University of North Carolina
Instructor in English and Director of the Armstrong College
MASQUERS

NANCY PAGE SMITH, B. M., Eastman School of Music of the University
of Rochester; M. A., University of North Carolina
Director of Glee Club and Instructor in Music

MARGARET FORTSON STEPHENS, A. B., LL. B. and M. A., University of
Georgia; Certificate from the Sorbonne, Paris, France
Instructor in English

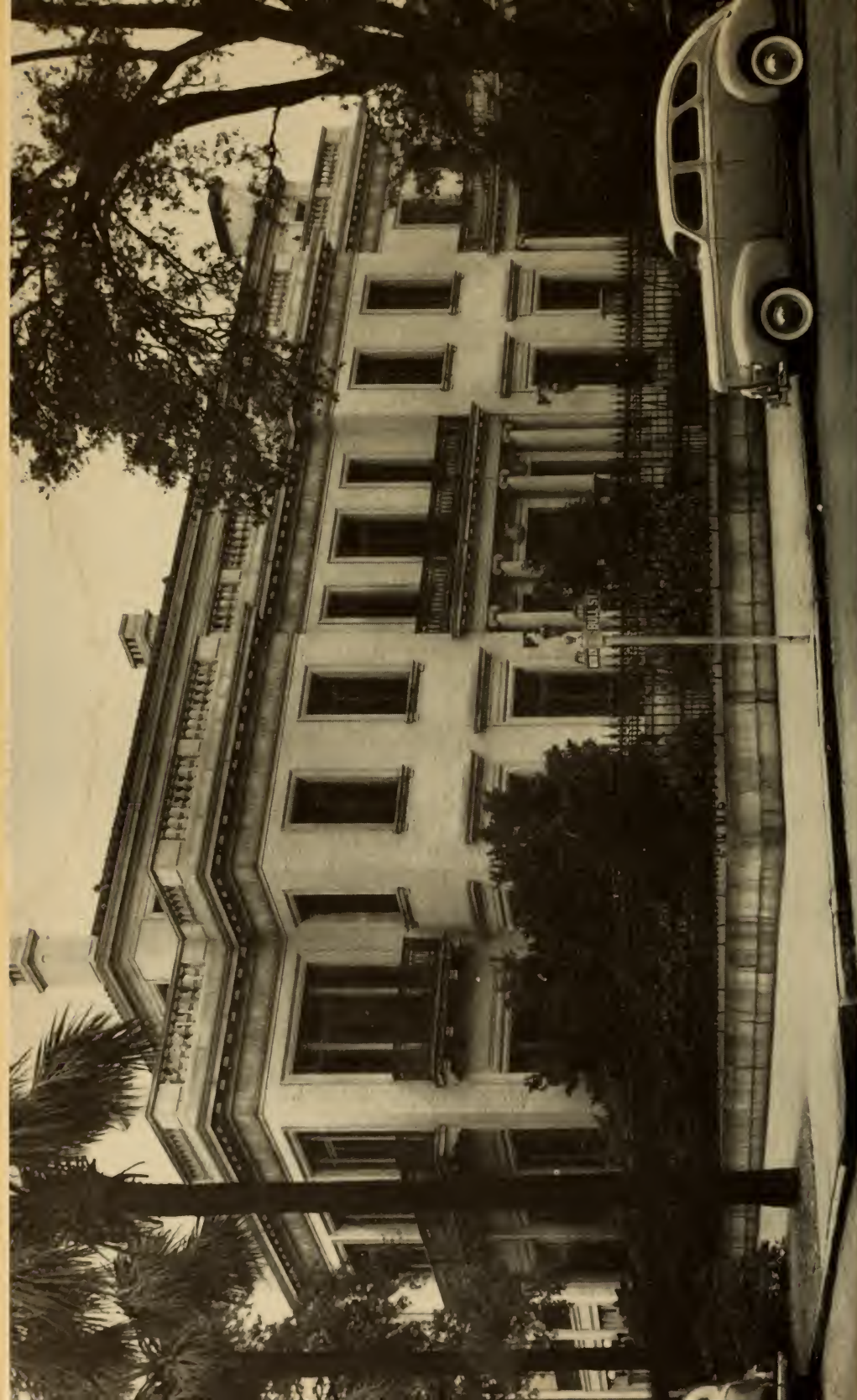
DOROTHY M. THOMPSON, A. B., Monmouth College; M. A., North-
western University; Certificate of Psychiatric Social Work; West-
ern Reserve University
Instructor in Psychology and Sociology

*CARMEN TORRIE, B. S., Concord College; M. S., University of Ten-
nessee
Director of Athletics and Instructor in Physical Education

HELEN C. WOLFE, B. S., Columbia University
Instructor in Home Economics

GLADYS NICHOLS ZILCH, Diploma from the Gregg School of Chicago
Instructor in Commerce

*On leave of absence with the Armed Forces.



THE ARMSTRONG BUILDING — ADMINISTRATIVE OFFICE

General Information

HISTORY AND ORGANIZATION

Armstrong College was founded on May 27, 1935, by the Mayor and Aldermen of the City of Savannah to meet a long-felt need for a junior college. The first college building was the magnificent home of the late George F. Armstrong, a gift to the city from his widow and his daughter. The former home, now called the Armstrong Building, is an imposing structure of Italian Renaissance architecture; inside, its spacious rooms and marble halls lend an air of dignity, while outside it is one of the most beautiful college buildings in the South.

Over the years, through private donation and public appropriation, the campus has been enlarged until now it includes four additional buildings: the Lane Building, a gift of the late Mills B. Lane, prominent banker; John W. Hunt Memorial Building in which are located the Student Center, the Home Economics Department, the Women's Lounge, the Dancing Studio, and the Music Room; Herschel V. Jenkins Hall, which contains the auditorium, theater for the Armstrong College Masquers, and classrooms; and Thomas Gamble Hall, site of science lecture rooms and laboratories.

Three of the buildings face forty-acre Forsyth Park, the most beautiful park in the city; the other two face Monterey Square, one of the carefully planned squares for which Savannah is famous.

Hodgson Hall, across from Forsyth Park on Whitaker Street, contains the college library as well as the Library of the Georgia Historical Society, to which Armstrong students have access.

The college is under the control of a commission of six members, appointed by the Mayor. In addition, the commission includes as ex-officio members the Mayor, the Chairman of the Chatham County Board of Education, the Chairman of the County Commissioners, the Superintendent of the Board of Education, and the President of the Savannah Chamber of Commerce.

Except for the war years, enrollment has shown a steady increase until the present student body numbers approximately four hundred. As need arises, the curriculum is enlarged and modified to meet new demands.

AIMS

The college seeks to serve the community by giving the men and women who attend its classes a better understanding of the world in which they live and the experience of adapting knowledge to meet the obligations and responsibilities of citizenship.

The student may complete one or more of the following specific objectives:

1. Receive additional liberal education stressing how to live more abundantly;
2. Complete the freshman and sophomore years of the four-year senior college program leading to the baccalaureate degree;
3. Finish two years of pre-professional work leading toward medicine, dentistry, law, home economics, the ministry and other professions;
4. Graduate from a semi-professional program, prepared to go into business or industry.

The college awards the degree of Associate in Arts to students completing an approved program.

ADMISSION TO THE COLLEGE

(For dates see calendar on page 2)

A student planning to enter Armstrong should obtain from the Registrar an "Application for Admission Card." The student should complete this form and return to the Registrar. REQUEST THE HIGH SCHOOL PRINCIPAL, OR THE COLLEGE REGISTRAR (in the case of a transfer student), TO SEND A TRANSCRIPT OF CREDITS to the Registrar, Armstrong College, Savannah, Georgia.

Having checked the student's records for compliance with the minimum requirements for admission, the Registrar will send a notice to the student that he has been admitted to the college, together with certain physical examination forms which must be completed and returned before the student can complete registration. The applicant will be notified of the dates of the next testing program. These tests do not affect a student's entering Armstrong, but will enable the counseling staff to assist him in selecting a program of study upon entrance. STUDENTS ARE REQUIRED TO TAKE THESE TEST MEASUREMENTS BEFORE REGISTRATION.

REQUIREMENTS FOR ADMISSION

BY CERTIFICATE

1. A candidate for admission to Armstrong College by certificate must be a graduate of an accredited high school with sixteen units of credit.

2. No subject-matter units are prescribed. The high school program should be of such nature as to give satisfactory preparation for beginning college studies. Subjects which may be expected to contribute to this end are English composition, literature, natural science, history and other social studies, foreign languages, and mathematics. The right is reserved to reject any applicant whose high school program does not indicate adequate preparation for college work.

3. A record of high school credits earned by the applicant should be made out on the proper forms by an official of the high school and mailed directly to the office of the Registrar. This certificate becomes the property of the college and cannot be returned to the applicant.

4. Three units in mathematics and one in physics or its equivalent is pre-requisite for admission to the freshman class in engineering.

BY EXAMINATIONS

Students beyond high school age, who do not need the above requirements for admission by certificate, may take the General Educational Development tests (high school level) at the local Community Guidance Center. The student will be admitted to college on the basis of his score. Entrance examinations should be completed at least one week before registration. Additional information may be secured from the Registrar's office.

ADMISSION TO ADVANCED STANDING

Advanced credit will be allowed for work done in other institutions of proper rank and standing and for schools and experiences in the Armed Services. Only 10 per cent of the total number of hours transferred will be accepted in "D" grades. To receive a diploma from Armstrong College, a student must be in attendance the two quarters preceding graduation, making a "C" average enrolled for a normal load, and, in addition, must satisfy the requirements of a particular course of study. Adults (students over 21 years of age) may receive credit for certain college work on the basis of the General Educational Development tests at the junior college level.

ADMISSION OF VETERANS OF WORLD WAR II

Armstrong College will accept veterans who are not high school graduates if their official GED test records in the local Community Guidance Center show scores that indicate the applicant's ability to do college work. Many students have attended Armstrong under the provisions of Public Laws 16 or 346. Certificates of eligibility should be secured from the Veterans Administration prior to registration.

ADMISSION OF SPECIAL STUDENTS

Adults desiring to enroll in courses for their intrinsic value but not desiring transfer credit may be enrolled as special students. Requirements pertaining to entrance examinations, physical examinations and physical education courses do not apply to these students.

FEES

Tuition will be charged as follows:

For 12 quarter hours or more, ~~\$50.00~~ \$55.00

For each quarter hour less than 12 quarter hours, ~~\$1.25~~ \$4.60

All veterans must present a certificate of eligibility the first time they register at Armstrong College. A veteran who has not obtained a certificate of eligibility prior to registration will be required to pay cash, which may be refunded by the Business Office upon receipt of the certificate. A veteran who enrolls for a laboratory science is required to pay his own breakage deposit, since the amount paid will be refunded if he does not break any laboratory equipment.

A student activity fee of \$5.00 per quarter will be charged all students. This fee will entitle the student to subscriptions to the 'Geechee, the college annual, and other publications and admission to college-sponsored dances and membership in the Armstrong Athletic Club, Film Club and student theatre.

Students taking a laboratory work will be required to pay a fee for materials and equipment. This fee is indicated in the description of courses found under "Course Descriptions" elsewhere in this bulletin.

In addition to the above, students taking either Biology, Physics or Chemistry will be required to purchase a laboratory breakage card for \$5.00. This card shall be presented to the instructor when material is broken and the proper amount will be recorded. At the end of the year, the card should be returned to the Business Office for refund of any remaining amount. In case of loss, a new card must be purchased. Refunds cannot be made until cards have been signed by science instructors.

REFUNDS

Refunds of fees and tuition will be made **ONLY** upon written application for withdrawal from school. No refunds will be made to students dropping a course. Schedule of refunds is given below:

	<i>Withdrawal dates</i>	<i>Amount of Refunds</i>
Fall Quarter, 1951	Sept. 24, 25, 26, 27, 28, 29	80% of fees paid
	Oct. 1, 2, 3, 4, 5, 6,	60% of fees paid
	Oct. 8, 9, 10, 11, 12, 13	40% of fees paid
	Oct. 15, 16, 17, 18, 19, 20	20% of fees paid
Winter Quarter, 1952	Jan. 2, 3, 4, 5, 7, 8	80% of fees paid
	Jan. 9, 10, 11, 12, 14, 15	60% of fees paid
	Jan. 16, 17, 18, 19, 21, 22	40% of fees paid
	Jan. 23, 24, 25, 26, 28, 29	20% of fees paid
Spring Quarter, 1952	Mar. 20, 21, 22, 24, 25, 26	80% of fees paid
	Mar. 27, 28, 29, 31	60% of fees paid
	April 1, 2	60% of fees paid
	April 3, 4, 5, 7, 8, 9	40% of fees paid
	April 10, 11, 12, 14, 15, 16	20% of fees paid
Summer, 1952	June 16, 17, 18	80% of fees paid
	June 19, 20, 21	60% of fees paid
	June 22, 23, 24	40% of fees paid
	June 25, 26, 27	20% of fees paid

COUNSELING

The Counseling service of Armstrong College, in connection with the office of the Dean of Students, offers help in solving problems connected with the student's pursuit of the college program. The counselor has special training which enables him to offer individual, confidential, non-disciplinary help at the student's own request.

Students are urged to request help from their instructors when the difficulty is one concerned with the subject itself and having no complications. The areas with which the counselor is usually concerned are choices of vocation, the planning of work in college, study habits generally and personal adjustment to college life. Those problems which do not fit into these general categories either because of greater intensity or critical development are referable to community agencies outside the college if the student or his guardians so agree.

The main function of the counselor is to help the student work out his own problem successfully, and the only administrative function which the counselor has is to plan with every student in advance of registration his work at the college.

LIBRARY

Hodgson Hall houses not only the library of Armstrong College, but also that of the Georgia Historical Society. Since all books are on open shelves, students have immediate access to both collections. The reading room, which has recently been redecorated, is well lighted, most attractive and popular among the students. One section of this room is furnished with lounge chairs and opens into a garden, which is also an added attraction to many readers.

The library's holdings consist of a very good collection of standard reference books and fiction totaling 10,000 volumes. There are more than 100 periodical subscriptions, including seven newspapers, four of which are dailies.

In addition to the resources of the college library, students are encouraged to use the Savannah Public Library, which has a good reference department and much material of interest to students, including a large collection of fiction, government documents, microfilm copies of newspapers, and music records. The main building is on Bull Street and has a union catalog, listing the holdings of the Downtown Branch, Waters Avenue Branch, and of the Georgia Historical Society.

The library is fortunate in being the recipient of an outstanding collection of history books, a gift of the late Mayor Thomas Gamble, of Savannah.

Under the supervision of a trained librarian, two full-time assistants, and eight student assistants, the library is open on certain evenings for the use of the night school students, and each school day from 8:30 A. M. to 5:30 P. M.

MENTAL HEALTH CLINIC

The clinic is that division of the Community Guidance Center which has as its primary functions the treatment of the emotional problems of children and adults, and the promotion of mental health in the community.

It utilizes the services of the psychiatrist, psychiatric social worker and psychologist who work together as a "team" in an effort to understand and treat effectively those individuals who suffer with mental illness.

The Clinic is located in the Lane Building at 20 West Gaston Street and has offices on both the main and ground floors.

VETERANS GUIDANCE CENTER

The Veterans Guidance Center began operations as a vocational counseling service under a contract between Armstrong College and the Veterans Administration. This contract is one of five similar arrangements in the State of Georgia; and it enables Armstrong to employ a staff of professional trained personnel to help veterans with their vocational planning programs. By the spring of 1951 approximately 5,435 veterans from a 38-county territory had taken advantage of this service, which the federal government provides free of charge to all men and women who served in the U. S. Armed Forces during World War II.

The counseling procedure consists mainly of helping clients discover or verify their assets and limitations (through testing of mental ability, special aptitudes, school achievement, interest pattern, and personal adjustment), and to relate this information about themselves to the "world of work" (through discussion, reading in occupational information files, and conference with persons already successful in occupations which seem interesting to the client).

Vocational counseling service was extended to a limited number of young people and adults from the community-at-large on a fee basis. Armstrong students, as referred by the faculty Counseling Committee, may be accepted without charge.

The center is located in the Lane Building at 20 West Gaston Street.

EVENING COLLEGE

This part of our program is designed to serve the needs of those in the community who wish to continue their formal education by taking courses in the late afternoon and evening. Many of these carry full college credit which may be applied toward graduation at Armstrong or which may be transferred to other institutions for credit. Special courses are also offered which may or may not carry college credit but which will meet special needs and cultural interests of individuals and groups in the community. A special evening college bulletin will be sent on request.

AUDIO-VISUAL INSTRUCTION

Many of the classrooms of the college are equipped with screens for the showing of films, which are used extensively by all of the departments. In the teaching of English, foreign languages and music, visual aids are supplemented by recordings.

HOMECOMING AND OPEN HOUSE

Twice each year the college invites the public to visit the campus. The week before Christmas Holidays, Homecoming is celebrated for all alumni and students with a parade, a reception, an intercollegiate basketball game, and the Christmas dance. All alumni, students and their friends are invited to attend.

During the Spring, the college is open to the general public for inspection during its annual Open House. Exhibits are prepared by the various departments interpreting the work done in the junior college. Those desiring may make tours of the college buildings and attend a social hour in the Home Economics Department.

STUDENT ASSISTANTS AND ASSOCIATES

The college employs each year a number of student associates and assistants to work with the faculty. These students find employment in the library, science laboratories, business office, and with the faculty. Students desiring one of these jobs should apply to the instructor in the department in which he is interested or to the President.

SCHOLARSHIPS AND LOANS

There are a number of scholarships and loans available for students. Application blanks may be secured by a request addressed to the President of Armstrong College. Applications for scholarships and loans for the school year beginning in September must be on file in the President's office by July 15. Applicants will be notified when personal interviews are scheduled.

PLACEMENT SERVICE

The college maintains a placement service for the benefit of employers and students. Anyone seeking part-time employment while in college, or full-time employment after leaving college, should place his name on file with the Business Office.

COMMENCEMENT EXERCISES

Commencement exercises are held once each year in June. At this time the degree of Associate in Arts is awarded to those students who have met the requirements for graduation. At this time recognition is given to those students who qualify for scholastic honors. The Faculty and Graduates participate in full academic dress.

STUDENT CENTER

The college does not operate dormitories. The Student Center in the Hunt Building is open throughout the college day, affording recreation between classes. A snack bar serves cold snacks. A book store is also operated for the student's convenience.

STUDENT ACTIVITIES

The entire program of extra-curricular activities at the college is designed to help develop the whole individual and to assist him in becoming an active member of the community. The program comes directly under the Dean of Students who is assisted by the Student Senate, composed of representatives from each recognized club or group. Each student is urged to participate in those activities which appeal to his interest or meet his needs.

ATHLETICS

The college engages in inter-collegiate basketball. All other sports at the college are operated on an intramural basis. Armstrong College was the champion of the Georgia Junior College League in 1948, semi-finalist in 1949, finalist in 1950, and semi-finalist in 1951.

INTRAMURAL SPORTS

Intramural teams are organized into a men's league and a women's league for competition in certain major sports. At the end of the school year the champion in each league is awarded a trophy.

SOCIAL CLUBS

The college recognizes certain groups which are organized to foster social life among the students at the college.

PRE-PROFESSIONAL CLUBS

Some clubs are organized to acquaint students with the ideals and objectives of certain professional groups, as in the engineering and the science clubs.

CLASS CLUBS

These clubs are designed to encourage students to pursue their various intellectual interests beyond the instructional activities of the classroom, as the French club, the mathematics club, and others.

PUBLICATIONS

The college publishes the Inkwell, a newspaper; the Mercury, a magazine; and the Geechee, a year book. These afford students an opportunity to express their opinions on a wide variety of topics, to do creative writing and gain practice in other journalistic activities.

RECREATION CLUBS

Armstrong is a community college. To fulfill this mission, the college extends its activities beyond the student body, inviting all interested citizens of the community to participate in different recreational groups. Outstanding among these is the Film Forum, Great Books Seminar, the Music Club and other cultural groups. Members of the community, though not registered at the college, who are interested in any of these cultural activities are invited to participate.

THE ARMSTRONG COLLEGE MASQUERS

The Armstrong College Masquers, with a charter membership of over seventy students, was organized in the Fall of 1950, after the Savannah Playhouse separated from Armstrong College and became a distinct community theatre.

Masquer membership is open to all students interested in any phase of the theatre: acting, designing, lighting, make-up, costuming and other production skills. At the annual spring festival, all Masquer members are recognized and those serving with distinction during their membership are awarded special pins.

In its first year of existence, the organization achieved local popularity with its three major productions; a bill of three one-act plays, Gilbert and Sullivan's *The Mikado*, and Elmer Rice's *Two On An Island*. The Masquers also embarked on an ambitious program of one-acts for the college assemblies, radio dramatizations, and appearances before local civic clubs.

GLEE CLUB

The Armstrong Glee Club was reorganized in September, 1949. Its members are drawn from the student body and faculty. Besides giving two complete concerts at the college, one at Christmas and one in the Spring, the group has sung for many civic clubs in Savannah.

In April, 1950, the Glee Club made a trip to Macon, Georgia, to appear before the District Rotary Convention.

Rehearsals of one-hour duration are held three times a week. Membership is open to all interested students.

General Regulations

COUNSELING

To help a student "find himself" and select a definite objective early in his college program, the Armstrong staff administers to each entering freshman a series of interest, aptitude, and achievement tests. In the Fall, these are given during Freshman Week and are scored prior to the student's interview with a counselor. On the basis of these objective measurements, the student's previous record, his interest and his family counsel, the student with the aid of his advisor decides on a program of study which will enable him to accomplish his purpose.

PHYSICAL EXAMINATIONS

All regular students are required to enroll for courses in physical education. Each student must submit a completed physical examination report on the forms furnished by the college before he can complete his registration. On the basis of the examinations, the physical education department will adapt a program of training suited to individual requirements.

COURSE LOAD

The unit of work for a regular student is 12-18 quarter hours per quarter. A nominal schedule of sixteen quarter hours presupposes that the average student will devote approximately forty-eight hours per week to his college classes and to his preparation therefor.

Permission to enroll for more than 18 quarter hours will be granted when curricular requirements make such action necessary, or when evidence as to the capacity of the student seems to justify that the privilege be granted. No student will be allowed to register for more than 21 hours in any one quarter.

Should a student's work load fall below the normal schedule, the student's parent or guardian (in case of veterans attending school under Public Law 16 and 346, the Veterans Administration) will be notified.

ADMISSION TO CLASS

Students will be admitted to class when the instructor is furnished an official class card indicating that he has completed his registration and paid his fees in the Business Office.

CONDUCT

Armstrong students are expected to conduct themselves as ladies and gentlemen. Compliance with the Commission and faculty regulations is assumed. The use on the campus of intoxicating beverages,

gambling, and hazing are prohibited. The faculty approved the recommendation of the Student Senate for consideration and handling of honor infractions in class work. This provision and other instructions contained in the Armstrong Handbook are official regulations.

REPORTS AND GRADES

It is felt by Armstrong that students in college should be held accountable for their own scholarship. Accordingly, report cards, warnings of deficient scholarship and other such notices are not sent out to parents or guardians by the college except by request. Instead the students themselves receive these reports and are expected to contact the counseling staff whenever their work is unsatisfactory. Report cards are issued at the end of each quarter. Reports of failing grades are issued in the middle of each quarter. Each student has access to a counselor, made up of the faculty members for purposes of advisement; and in addition, the Registrar, Dean of Students, and all instructors are available to help and advise any student seeking assistance.

Reports are based on the following system of grading:

A plus	Exceptional	4 honor points per quarter hour
A	Excellent	3 honor points per quarter hour
B	Good	2 honor points per quarter hour
C	Fair	1 honor point per quarter hour
D	Poor	No honor points per quarter hour
E	Conditional Failure	Conditions must be removed before mid-term of the following quarter
F	Failure	Course must be repeated
W	Withdrew	Course must be repeated
W-F	Withdrew Failing	Course must be repeated

An "E" (conditional failure) may be removed by means stipulated by the instructor of the course in which the student received the grade "E." An "E" not removed by the mid-term of the succeeding quarter automatically becomes an "F." If a course in which an "E" grade was received is repeated, an "F" will be entered on the student's permanent record card for the first time the course was taken.

HONORS

Students who have been in attendance for three consecutive quarters taking a normal load and achieved an average of "B" or better with no grade below that of "C" will be placed on a Permanent Dean's List in a book for that purpose kept in the office of the President. This list is published each June in the commencement program.

Graduates who meet the requirements for the Permanent Dean's List and who are graduating with an average of three honor points

per quarter hour, will be designated as graduating summa cum laude (with highest distinction). The designation cum laude (with distinction) will be bestowed upon those meeting the above requirements with an average of two honor points per quarter hour.

A valedictorian will be selected by the graduating class from among the five students with the highest scholastic averages in the work completed before the term in which the students graduate.

Students who make a grade of "B" or better in each course during any quarter will be placed on the Dean's Scholastic Attainment List.

ATTENDANCE

Students are expected to attend classes as scheduled. Any absence, whatsoever, from class work entails a loss to the student.

A student who has been absent from class for a valid reason should have the absence excused. The student will submit a written excuse to the instructor who will initial the excuse. The student will then turn the form in to the Registrar's office. Excuses must be submitted within seven days from the date the student returns to school; otherwise the absence will not be excused.

A student who has unexcused absences equal in number to the time the class meets in one week, and has one additional unexcused absence, will be dropped from class. The instructors will notify the Registrar's office when a student should be dropped from class. The Registrar's office will notify the student. The grade given a student who has been dropped will be either W or W-F, depending on the status of the student at the time he is dropped from class.

Students are required to attend the college's bi-weekly assemblies. Official announcements are made at these meetings.

WITHDRAWALS

A formal withdrawal, presented to the President in writing, is a prerequisite for honorable dismissal from, or re-entrance into, this institution. Any student planning to withdraw should immediately make such intentions known to the administration of the school in writing. This notice is required to receive any authorized refunds.

In order that a student may not receive a failing grade on his permanent record in the Registrar's office, he should make formal withdrawal from any class which he stops attending. The instructor's approval should be brought to the Registrar's office in writing.

Students will receive a prejudicial grade in a five-hour course dropped after the second week or in a three-hour course dropped after the third week of a quarter unless there are extenuating circumstances approved by the instructor.

GRADUATION

In order to graduate, a student must complete with a "C" average one of the programs of study consisting of approximately 100 hours which are listed under "Curricula." A student must complete one-third of the work toward graduation at Armstrong. A student may present in correspondence courses as much as one-fourth of the total work required for graduation. The college will accept USAFI courses.

To be considered as a candidate for graduation, a student should make application in the Registrar's office at least two quarters prior to the expected date of graduation.

RECOMMENDATIONS

The recommendations issued by the college are written in terms of the grades the student earns, and what his teachers think of him as expressed by them on a student rating form. These reports are part of his permanent record.

The records of the Registrar's office are consulted regularly by representatives of the Federal Bureau of Investigation, the Civil Service, the local Credit Bureau and other agencies having access to confidential records. These records are of vital importance to the student.

Curricula

GENERAL

Before registration, the student should PLAN A PROGRAM OF STUDY WITH A COUNSELOR. Even if a student knows what studies are required of him to graduate, he should have on record in the Dean of Students' office a copy of his program.

The Associate of Arts degree is conferred upon all students who complete at Armstrong College one of the programs of study outlined in the catalog. It is expected some students will want to change their objectives. The college desires to help them "find themselves."

Before registering and after a full discussion and consideration of his interests and qualifications with parents and friends who can help him, and after interviews with members of the faculty or a counselor, the student should decide what he is going to study. The student will then work out a tentative list of the subjects to be taken during each of the quarters he plans to be at Armstrong. This list will be kept for future reference so that he may build his program each quarter with a definite goal in mind.

If the student changes his objective and wishes to change his program of study, he will report this fact to his counselor.

If completion of his training involves going to another school after he leaves Armstrong, the following steps are urgent:

Secure the college's catalog and see what courses must be completed at Armstrong College to meet the degree requirements at the senior college;

Schedule the prerequisites for the courses to be taken later; make a list of the subjects to be taken at Armstrong College for each of the quarters before transferring, and be sure it includes all of the courses required for the junior class standing, if possible.

THE CORE CURRICULUM

There are certain bodies of knowledge and certain skills indispensable to every college trained man and woman. The understanding of one's environment and man's struggle to adapt it to useful ends, the ability to communicate his thoughts and feelings; right group-attitudes and coordinated physical activity—these objectives are set up in the following courses required of all students desiring to graduate from the college. An equivalent course taken at another institution is acceptable.

Freshman year: English 11-12-13; History 11-12-13; ten quarter hours of a laboratory science, and Physical Education 11-12-13.

Sophomore year: English 21-22-23 and three quarters of physical education. Students enrolled in certain terminal courses described below may substitute English 20 and English 28 for English 21-22-23.

Students graduating in less than the six quarters of the regular session may reduce their physical education requirements accordingly. Physical education should be taken in the proper sequence and two courses should not be scheduled in any one quarter.

COURSE NUMBERS

Subjects listed from 10 through 19 indicate work that is usually taken in the freshman year; and from 20 through 30, subjects recommended for study in the sophomore year.

ASSOCIATE IN ARTS

CONCENTRATION-COMMERCE and BUSINESS ADMINISTRATION

SENIOR COLLEGE PREPARATORY*

Many students will wish to continue their business studies in a senior college. These students should enroll for the following program:

FIRST YEAR		SECOND YEAR	
Core Curriculum.....	31	Core Curriculum	12
Commerce 11a-b-Typing.....	4	Commerce 24-25-Accounting.....	10
Mathematics 11-12-Basic Mathe-		Economics 22-24-Introductory and	
matics	6	Applied	10
Electives	9	Political Science 13-American	
		Government	5
		Electives	13
	—		—
Total Hours.....	50	Total Hours	50

* A student should consult the catalog of his prospective senior college for required subjects. Colleges differ as to what subjects are required for this course.

CONCENTRATION-BUSINESS ADMINISTRATION

TERMINAL

Many students will not continue their formal education after leaving Armstrong. To these students the college gives the opportunity to select those subjects which have a vocational value. Sufficient general education is included in the core curriculum to make this a well-rounded program.

FIRST YEAR	
Core Curriculum	31
Economics 21-24-Introductory and Applied	10
Electives	9

Total Hours 50

SECOND YEAR	
Commerce 11-a-b-Typing	4
*Commerce 12-a-b-c-Shorthand or Commerce 24-25-26-Accounting	15
**English 20-Composition	5
Commerce 27-28-Business Law	10
**English 28-Public Speaking	5
Physical Education	3
Electives	8

Total Hours 50

*If Shorthand is desired, one quarter of Accounting is to be substituted for Economics the first year.

**English 21-22-23 may be taken in lieu of these English courses.

CONCENTRATION-CHEMISTRY

SENIOR COLLEGE PREPARATORY

The student who wishes to concentrate in one field of study may take a program similar to the one described below for a major in chemistry. The junior college seeks to give a broad general education rather than to specialize in one particular field. For that reason it is advisable for the student to check the senior college catalog for which he is preparing and take only those courses which are transferable for credit.

FIRST YEAR	
Core Curriculum	21
Chemistry 14-15-General	12
Chemistry 24-Qualitative Analysis	6
Mathematics 16-17-18-College Algebra, Trigonometry, Analytic Geometry	15

Total Hours 54

SECOND YEAR	
Core Curriculum	12
Chemistry 25-26-Quantitative Analysis	12
French	10
Mathematics 21-22-Differential and Integral Calculus	10
Electives	5

Totals Hours 49

CONCENTRATION-COMMERCE SECRETARIAL

TERMINAL

This program is designed to meet the needs of those students who wish to qualify for clerical positions in business.

FIRST YEAR	
Core Curriculum	31
Commerce 11a-b-c-Typing	6
Commerce 12a-b-c-Shorthand	15

Total Hours 52

SECOND YEAR	
Commerce 24-Accounting	5
*English 20-Composition	5
Commerce 17-Office Practice	5
Commerce 21a-b-c-Typing	6
Commerce 22a-b-c-Shorthand	15
*English 28	5
Physical Education	3
Electives	6

Total Hours 50

*English 21-22-23 may be substituted for these English courses.

CONCENTRATION-HOME ECONOMICS

SENIOR COLLEGE PREPARATORY

The vocational opportunities in this field are numerous. Preparation for marriage and personality development are other objectives of the home making courses.

FIRST YEAR	
Core Curriculum	21
Home Economics 10-Orientation	3
Home Economics 11-Clothing	5
Home Economics 12-Foods	5
Mathematics 11-Basic Mathematics	3
Art 11-Creative	5
Chemistry 11-12-Introductory	10
Total Hours	52

SECOND YEAR	
Core Curriculum	12
Psychology 21-Introductory	5
Biology	10
Home Economics 21-Home Furnishing	5
Home Economics Elective	5
Sociology 21-Marriage and the Family	5
Elective	5
Total Hours	47

CONCENTRATION-HOME ECONOMICS

TERMINAL

This course is designed to meet the needs of those women who plan to complete their college work at Armstrong. Sufficient electives are allowed to enable the student to select commerce subjects which have a vocational value or cultural subjects for worthy use of leisure time.

FIRST YEAR	
Core Curriculum	31
Home Economics 11-Clothing	5
Home Economics 12-Foods	5
Psychology 21-Introductory	5
Elective	5
Total Hours	51

SECOND YEAR	
Core Curriculum	12
Home Economics 21-Home Furnishing	5
Home Economics 22-Nutrition	5
Sociology 21-Marriage and the Family	5
Electives	22
Totals Hours	49

CONCENTRATION-LIBERAL ARTS

SENIOR COLLEGE PREPARATORY

This program is recommended for candidates for an A.B. degree, pre-education, pre-law, pre-ministerial, journalism, and other pre-professional concentrations.

FIRST YEAR	
Core Curriculum	31
Foreign Language	10
*Mathematics 11-12-13-Basic Mathematics or Mathematics 16-17-College Algebra and Trigonometry	9
Total Hours	50

SECOND YEAR	
Core Curriculum	12
Two of the following courses:	10
History 25-Recent European	
Political Science 13-American Government	
Psychology 21-Introductory	
*Science	10
Electives	18
Total Hours	50

*A student applying for admission to a senior college which does not require the amount indicated of this subject may, with the approval of his counselor, substi-

tute other courses required by the senior institution. Students not planning to major in mathematics or physical sciences should postpone mathematics until the sophomore year and complete 15 hours of foreign language and 5 hours of an elective in the freshman year.

CONCENTRATION-LIBERAL ARTS

TERMINAL

To the students who will not continue their formal education after leaving Armstrong, this program gives the opportunity to select those subjects which are liberal in nature, giving one a better understanding of himself and his environment. Sufficient electives are allowed to enable the student to explore that field of knowledge in which he is particularly interested.

FIRST YEAR		SECOND YEAR	
Core Curriculum	31	Core Curriculum	12
Mathematics 11-12-Basic Mathematics	6	Psychology 21-Introductory	5
Electives	13	Sociology 21-Marriage and Family	5
	—	Electives	28
Total Hours	50	Total Hours	50

CONCENTRATION-PHYSICAL EDUCATION SENIOR COLLEGE PREPARATORY

The Physical Education Department is qualified to provide the first two years of preparation for a major in the field of health and physical education for those students planning to enter the field of education or supervised recreation.

FIRST YEAR		SECOND YEAR	
Core Curriculum	21	Core Curriculum	10
Mathematics 11-12-13-Basic Mathematics or Mathematics 16-17-College Algebra and Trigonometry	9	Anatomy in 1n, 2n, 3n	9
Physics or Chemistry	10	Home Economics 22-Nutrition	5
Electives	10	*Physical Education 23-24	4
	—	Psychology 21-Introductory	5
Total Hours	50	Psychology 23-Child	5
		Sociology 21-Marriage and Family	5
		Electives	8
			—
		Total Hours	51

*Women will take Physical Education 29 and one other Physical Education course.

CONCENTRATION-PRE-DENTAL

SENIOR COLLEGE PREPARATORY

All courses for pre-professional degrees should conform to senior college requirements.

FIRST YEAR		SECOND YEAR	
Core Curriculum	12	Core Curriculum	12
Chemistry 14-15-General	12	French	10
Mathematics 11-12-13-Basic Mathematics or Mathematics 16-17-College Algebra and Trigonometry	9	Physics 11-12-Survey	12
	—	Electives	15
Total Hours	52	Totals Hours	49

CONCENTRATION-PRE-MEDICAL

SENIOR COLLEGE PREPARATORY

All courses for pre-professional degrees should conform to senior college requirements.

FIRST YEAR		SECOND YEAR	
Core Curriculum	12	Core Curriculum	21
Biology 11-12-General Zoology	12	Biology 23-Vertebrate Anatomy	6
Chemistry 14-15-General	12	Chemistry 25-Qualitative Analysis	6
Chemistry 24-Qualitative Analysis	6	French	10
Mathematics 16-College Algebra	5	Physics 11-12-Survey	12
Mathematics 17-Trigonometry	5		—
Total Hours	52	Total Hours	55

ONE YEAR PROGRAMS

CONCENTRATION-ENGINEERING

SENIOR COLLEGE PREPARATORY

This program will satisfy degree requirements for the first year of most types of engineering but should be varied for certain degrees such as chemical, electrical, etc. The student should obtain a catalog from the senior college he plans to attend and check this program against the requirements. The courses required for the freshman year have been worked out in consultation with the Georgia Institute of Technology.

Chemistry 14-15-General	12
English 11-12-13-Freshman	9
Engineering 11-12-13-Drawing	9
Engineering 26-Plane Surveying	2
History 11-12-13-Western Civilization (or Modern Language)	9
Mathematics 16-17-18-College Algebra, Trigonometry and Analytic Geometry	15
Physical Education 11-12-13	3
Total Hours	59

CONCENTRATION-STENOGRAPHIC

A student who has only one year to spend in college may herein master some of the tools that will enable him to earn a livelihood.

Commerce 11a-b-c-Typing	6
Commerce 12a-b-c-Shorthand	15
Commerce 17-Office Practice	5
Commerce 24-Accounting	5
English 20-Composition	5
English 28-Public Speaking	5
Physical Education 11-12-13	3
Electives	5
Total Hours	49

CONCENTRATION-NURSING

Armstrong College offers the following courses in co-operation with the Warren A. Candler School of Nursing. With the permission of the instructor and the approval of the student's counselor, a student not enrolled in the School of Nursing may take any of the following courses.

Anatomy 1n, 2n, 3n	9
Chemistry 1n	5
Sociology 1n	5
Physical Education 11-2	2
Bacteriology 1n, 2n	6
Nutrition 1n	4
Psychology 1n	5
Total Hours	36

Course Descriptions

GENERAL

Armstrong College reserves the right to (1) withdraw any course for which less than ten students register, (2) limit the enrollment in any course or class section, (3) fix the time of meeting of all classes and sections, and (4) offer such additional courses as demand and staff personnel warrant.

No credit will be given in beginning courses in commerce and languages where the same or similar courses have been presented for admission from high school.

Where two or more courses are listed under one description, no credit for graduation will be given until the sequence is completed.

After each course, the first number listed is the number of hours of lecture; the second, the number of hours of laboratory and the third, the number of quarter-hour credit the course carries; e.g. (3-3-4) means 3 hours of class, 3 hours of laboratory, 4 quarter hours of credit.

A R T S (See Fine Arts)

BIOLOGY

**Anatomy and Physiology 1n-2n-3n* (2-2-3). Fall, Winter and Spring. Laboratory fee, \$2.50.

A three quarter course in human anatomy and physiology. The gross anatomy, some histology and physiology of the organ systems are presented in order to give the student an understanding of the human body as a basis for further studies in clinical nursing. The laboratory work includes some dissection of the lower vertebrates and elementary experiments in physiology.

Biology 14-A - General Zoology (3-4-5). Fall and Winter. Laboratory fee, \$3.50.

Biology 14-B - General Zoology (3-6-6). Fall and Winter. Laboratory fee, \$3.50.

Introduction to animal structures and function and a survey of the invertebrate phyla. Laboratory work on representative species of each phylum.

Biology 15-A - General Zoology (3-4-5). Winter and Spring. Laboratory fee, \$3.50. Prerequisite: Biology 14.

Biology 15-B - General Zoology (3-6-6). Winter and Spring. Laboratory fee, \$3.50. Prerequisite: Biology 14.

Study of vertebrate structure and function, using selected vertebrate material for laboratory dissection. Concludes with a study of the principles of Evolution and Genetics.

Biology 16-17-18 - Human Biology (3-1-3 1/3). Fall. Winter and Spring. Laboratory fee, \$1.00.

A three quarter course for terminal students beginning with a survey of the basic biological principles and followed by a study of the structure and function of the human body. Principles of Evolution and Genetics will be discussed in the last quarter. One hour a week laboratory on selected material.

Biology 22 - Invertebrate Zoology (3-6-6). Spring. Laboratory fee, \$5.00. Prerequisite: Biology 14 and 15.

A concentrated study of the structure and function of invertebrates including their economic relation to man. Field trips included for natural habitat study.

Biology 23 - Comparative Vertebrate (3-6-6). Fall. Laboratory fee, \$5.00. Prerequisite: Biology 14 and 15.

A study of the anatomy and evolution of the organ systems of the vertebrates. Laboratory work on *Squalus*, *Necturus* and the cat.

**Bacteriology 1n-2n (2-2-3)*. Winter and Spring. Laboratory fee, \$2.50.

An introduction to micro-organisms as living organisms and as pathogens. The structure, life history and public health importance of representative viruses, bacteria, molds, protozoa and helminthes are considered. The laboratory work includes the techniques of culturing bacteria and the study of the scientific basis of antiseptic and aseptic procedures.

*These courses are transferable to senior colleges toward a B. S. in Nursing.

CHEMISTRY

Chemistry 1n - (4-3-5). Laboratory fee, \$2.50.

The purpose of this course is to acquaint students with the principles of inorganic, organic and physiological chemistry with special applications to nursing practice.

Chemistry 11-12-13 - General Chemistry (3-2-4). Fall, Winter and Spring. Laboratory fee, \$3.50. Prerequisite: 2 years high school and mathematics.

This is a course in general descriptive chemistry. This course will meet the freshman requirements in chemistry of engineering, science, and pre-medical students, as well as art students. The fundamental laws of chemistry and some elements and their compounds are studied.

This course is designed for students who have not had high school chemistry.

Chemistry 14-15 - General Chemistry (5-3-6). Fall and Winter. Laboratory fee, \$3.50. Prerequisite: 2 years of high school mathematics, 1 year high school chemistry.

This is a course in general descriptive chemistry. It will meet the freshman requirements in chemistry of engineering, science and pre-medical students. The fundamental laws of chemistry and some elements and their compounds are studied.

Chemistry 24 - Qualitative Analysis (3-6-6). Spring. Laboratory fee, \$5.00. Prerequisite: Chemistry 13 or Chemistry 15 and Mathematics 16. This course can be taken concurrently with Chemistry 13.

The lectures include a study of the theoretical and fundamental principles of the subject, as well as a thorough study of the reactions of the more important ions. The laboratory work includes the systematic analysis for both anions and cations by a semi-micro scheme.

Chemistry 25 - Quantitative Analysis (3-6-6). Winter. Laboratory fee, \$5.00. Prerequisite: Chemistry 24.

This is an elementary course in quantitative analysis.

Chemistry 26 - Quantitative Analysis (2-8-6). Spring. Laboratory fee, \$5.00. Prerequisite: Chemistry 25.

This is a more advanced course in quantitative analysis with emphasis on gravimetric and instrumental methods of analysis.

COMMERCE

Commerce 11a-b - Beginning Typing (0-5-2). Fall and Winter. Laboratory fee, \$3.50.

This course consists of introductory instruction in the technical features and care of the machine, position, fingering, proper technique and mastery of the keyboard. An average speed of 40 words a minute is attained at the end of the second course.

Commerce 11c - Intermediate Typing (0-5-2). Spring. Laboratory fee, \$3.50. Prerequisite: Commerce 11a-b or equivalent.

A typewriter course in which emphasis is placed on speed building and accuracy. Special typing problems such as business letters, minutes, notices, stencil cutting and carbon copies are stressed.

Commerce 12a-b - Beginning Shorthand (5-0-5). Fall and Winter.

Complete theory of Gregg Shorthand in the manual. Additional reading and dictation given from the Speed Studies.

Commerce 12c - Intermediate Shorthand (5-0-5). Spring.

Dictation and transcription of new and studied material. Student is required to take dictation at the rate of eighty words a minute.

Commerce 13a - Burroughs Calculator and Comptometer (0-5-2). Fall. Laboratory fee, \$3.50.

The objective of this course is to build speed and accuracy in the operation of the Burroughs Calculator and Comptometer and a thorough review of business mathematics. This quarter is devoted to the operation of the four fundamentals in arithmetic of the calculator.

Commerce 13b - Burroughs Calculator and Comptometer (0-5-2). Winter. Laboratory fee, \$3.50.

The following business mathematics are reviewed and applied on the machine during this quarter: decimal equivalents, split divisions, invoicing over the fixed decimal, percentages, discounts, and chain discounts, costs, selling and rate of profit.

Commerce 13c - Burroughs Calculator and Comptometer (0-5-2). Spring. Laboratory fee, \$3.50.

The third quarter is a continuation of business problems on the machine. The transactions covered are reciprocals figuring grain, cipher, division, prorating cost and expenses, gross and dozen in invoicing inventories.

Commerce 17 - Office Practice (5-0-5). Spring.

Typical business office situations are duplicated as nearly as possible. Practical problems deal with dictation and transcription, typing, operation of the mimeograph, filing and office courtesy.

Commerce 19 - Modern Business Mathematics (3-0-3). Spring.
Prerequisite: Mathematics 11-12 or its equivalent.

This course gives that background necessary for dealing with problems found in banking, real estate, financing, and accounting; the operation of the compound-interest law in business; simple problems

concerning bonds, sinking funds, valuation of properties, annuities, and insurance. Practical problems in these fields will be emphasized. The necessary aids and shortcuts with use of tables and logarithms will be studied.

Commerce 21a - Advanced Tying (0-5-2). Fall. Laboratory fee, \$3.50. Prerequisite: Commerce 11c or equivalent.

Advanced typing is a course in the acquisition of speed and accuracy including various legal forms and papers, manuscripts and business papers. An average of 65 words a minute is attained.

Commerce 21b - A continuation of Commerce 21a (0-5-2). Winter. Laboratory fee, \$3.50.

Commerce 21c - A continuation of Commerce 21b (0-5-2). Spring. Laboratory fee, \$3.50.

Commerce 22a - Advanced Shorthand (5-0-5). Fall. Prerequisites: Commerce 12a, b, c.

A course in which the principles of Gregg Shorthand are applied in developing skill and accuracy in writing shorthand and in transcribing. The first half year is devoted to dictation of general business material; the second half, to dictation material applying to 16 major vocations. A speed of 120 words a minute for 5 minutes is required.

Commerce 22b - A continuation of Commerce 22a (5-0-5). Winter.

Commerce 22c - A continuation of Commerce 22b (5-0-5). Spring.

Commerce 23a - Advanced Calculator and Comptometer (0-5-2). Fall. Laboratory fee, \$3.50.

The next two quarters are devoted to the application of the machine and business mathematics to the following businesses: drugs, hardware, electrical, plumbing, contracting, wholesale paper, pay roll, packing house, creameries and dairies, laundries, steel and iron, department stores, banks, lumber, petroleum, railroads.

Commerce 23b - A continuation of Commerce 23a (0-5-2). Winter. Laboratory fee, \$3.50.

Commerce 23c - Advanced Calculator and Comptometer (0-5-2). Spring. Laboratory fee, \$3.50.

Speed, skill and accuracy in the operation of the machine are stressed in this last period.

Commerce 24 - Principles of Accounting, Introductory (5-0-5).

An introduction to the fundamental principles and procedures of accounting, including a study of the journal, the ledger, accounting statements, controlling accounts, special journals and the accounting system.

Commerce 25 - Principles of Accounting, Introductory (5-0-5). Winter. Prerequisite: Commerce 24.

An application of accounting principles to certain problems such as the proprietorship, the partnership, the corporation, departmental operations, manufacturing accounts and the analysis of accounting statements.

Commerce 26 - Principles of Accounting, Intermediate (5-0-5). Spring. Prerequisite: Commerce 25.

Basic accounting theory with emphasis on the various forms of business organization, assets, liabilities and reserves.

Commerce 27 - Business Law (5-0-5) . Winter.

Contracts: offer and acceptance, consideration, performance, rights of third parties and discharge. Agency: creation of an agency, powers, liabilities of principal and agent. Negotiable instruments: elements of negotiability, endorsement, and transfer, liabilities of parties, discharge.

Commerce 28 - Business Law (5-0-5). Spring. Prerequisite: Commerce 27.

Partnership: formation, powers, liabilities of partners, termination. Corporation: formation, powers, rights of security holders, types of securities. Sales: vesting of title, warrants, remedies.

ECONOMICS

Economics 21 - Principles of Economics (5-0-5). Fall and Summer.

A study of the principles behind the economic institutions of the present time and an examination of some of the economic problems in the modern world.

Economics 24 - Problems of Economics (5-0-5). Spring. Prerequisite: Economics 21.

A study of economic problems based upon the principles studied in Economics 21.

ENGINEERING

Engineering 11 - Engineering Drawing (0-6-3). Fall.

Topics of study include lettering, the use of the instruments, orthographic projection, auxiliary views, section, pictorial representations.

Engineering 12 - Engineering Drawing (0-6-3). Winter. Prerequisite: Engineering 11.

Topics of study include sections, dimensions, limit dimensions, threads, and fastenings, shop processes, technical sketching, working drawings, pencil tracing on paper, reproduction processes.

Engineering 13 - Engineering Drawing (0-6-3). Spring. Prerequisite: Engineering 12.

Topics of study include technical sketching of piping and fittings, working drawings, ink tracing on cloth, working drawings from assemblies and assemblies from working drawings.

Engineering 26 - Plane Surveying (1-3-2). Spring. Prerequisite: Mathematics 17.

Theory of practice in chaining, differential and profile leveling, traversing, topographic surveying, reduction and plotting of field notes and mapping.

ENGLISH

English 11 - Freshman English (3-0-3). Fall and Spring.

This course covers a review of punctuation and the fundamentals of grammar, theme writing, and vocabulary building. Also the student reads and discusses selections from the work of several of the most prominent literary figures of the Western World.

English 12 - Continuation of English 11 (3-0-3). Fall, Winter and Summer.

English 13 - Continuation of English 12 (3-0-3.) Winter, Spring and Summer.

In English 11-12-13 selections from the works of the following authors will be read: Homer, Sophocles, Chaucer, Montaigne, Cellini, Voltaire, Checkov, Hardy, as well as those of certain English Romantic poets.

English 2x - Freshman English (5-0-5). Fall. (Not offered 1951).

This course is devoted to a review of grammar, punctuation, mechanics and sentence structure. Also the student reads and discusses selections from the works of the most prominent literary figures of the Western World.

English 2y - Continuation of English 2x (5-0-5). Winter. (Not offered 1952).

English 20 - Composition (5-0-5). Fall.

A general review of grammar, composition, and vocabulary. The student will have practice in the writing of themes, reports and business letters. Several books will be assigned for reading and discussion.

English 21 - Survey of World Literature (3-0-3). Fall and Spring.

This course is designed to give the student a knowledge of the principal works of certain major writers. The student reads in some detail several hundred pages from the works of selected authors whose thought or style has been of world-wide significance. The last third of the course deals with modern trends in literature and thought. At intervals, students are asked to write papers, and emphasis is constantly placed on the improvement of the student's ability to express himself.

English 22 - Continuation of English 21 (3-0-3). Fall, Winter and Summer.

English 23 - Continuation of English 22 (3-0-3). Winter, Spring and Summer.

In English 21-22-23 selections from the works of the following authors will be read: Shakespeare, Milton, Goethe, Keats, Whitman, Ibsen; also selections from the Bible. The last quarter will be devoted to a consideration of representative works of contemporary writers in England and America.

English 24 - An Introduction to Poetry (3-0-3).

A study of the various types and forms of poetry with special emphasis on the works of the more recent British and American poets.

English 25 - American Literature (5-0-5).

A survey of American literature and culture. In this course the student reads somewhat fully from works of a comparatively small number of notable and representative American writers. This course is primarily devoted to reading and discussion, but each student is asked also to select one particular period or author for concentration, making reports and writing papers in that phase of the work.

English 26 - Advanced Composition (5-0-5). Winter.

Advanced writing practices. The course is designed to equip the student to express his ideas in clear, well-organized and interesting prose. Various techniques of composition are considered, but the main portion of the course is devoted to the writing and re-writing of exposition.

English 27 - Reading Modern Drama (5-0-5). Spring.

Students will participate in class reading and discussion of selected dramas. The plays will not be acted. The course is expected to improve the student's diction and reading.

English 28 - Public Speaking (5-0-5). Winter.

Fundamental principles involved in group discussion and the preparation and delivery of original speeches for formal and informal occasions.

FINE ARTS

Art 11 - Creative Art (2-6-5). Spring.

Drawing, art principles and design with work in other media at the discretion of the instructor. Some application will be made to poster-making, lettering and everyday life needs.

Art 12 - Creative Art (2-6-5). Spring. (Not offered in 1951-52).

A continuation of Art 11 with individual projects and extended study of art history.

Music 11 - Elementary Theory and Sight-Reading (5-0-5). Fall.

A course designed to teach the student to read music at sight and to understand the fundamental principles of music theory. Melodic dictation, melody writing and an introduction to elementary harmony are included.

Music 12 - Advanced Theory and Harmony (5-0-5). Winter.
Prerequisite: Music 11.

A continuation of Music 11, with emphasis on harmony, harmonic dictation, four-part harmonic writing.

Music 20 - Music Appreciation (5-0-5). Spring.

A course designed to help the reader understand and enjoy great music. Several works will be analyzed in detail as to form and structure. A text will be used for factual background, class time being concentrated on brief exposition of themes followed by listening to records. Music and composers from the Early Christian period up through the modern period will be studied.

FOREIGN LANGUAGES

FRENCH

French 11-12 - Elementary French (5-0-5). Fall and Winter.

A course for beginners. The spoken language is studied as well as grammar and reading.

French 21 - Intermediate French (5-0-5). Fall and Spring. Prerequisite: Two quarters of college French or two years of high school French.

Review grammar, oral practice, reading of selected texts.

French 22 - Intermediate French, continued (5-0-5). Winter. Prerequisite: Three quarters of college French or three years of high school French.

Further reading of texts, oral and composition practice.

French 23 - French Literature of the Nineteenth Century (5-0-5). Prerequisite: French 22.

A survey course. Reading of texts, written and oral reports on collateral reading.

French 24 - French Classical Drama (5-0-5) Spring. Prerequisite: French 22 (Not offered in 1951-52).

Selected plays of Corneille, Moliere and Racine.

SPANISH

Spanish 11-12 - Elementary Spanish (5-0-5). Fall and Winter.

These courses are for the purpose of providing the student with the elements of Spanish by reading, composition and speaking.

Spanish 21 - Intermediate Spanish (5-0-5). Fall and Spring.

Grammar review, composition and selected prose readings.

Spanish 22 - Advanced Spanish (5-0-5). Winter.

The purpose of this course is to increase the student's facility in Spanish composition and conversation.

Spanish 23 - Commercial Spanish (5-0-5). Spring.

A study of business letters and forms used by the Spanish-speaking world, and drill on the vocabulary of trade, travel and communication.

Spanish 24 - Modern Prose Readings (5-0-5). Spring.

This course provides intensive reading of novels, plays and short stories of nineteenth and twentieth century Spanish and Latin American authors.

Spanish 25 - Comprehensive Reading and Advanced Conversation (5-0-5). Spring.

This course is planned for the student who has had at least three quarters, and preferably four quarters of Spanish. Stress is placed on comprehensive reading and conversation based on a selected text.

HISTORY

History 11 - An Historical Introduction to Contemporary Civilization (3-0-3). Fall and Spring.

This course comprises a chronological survey of the main currents of political, social, religious and philosophical thought in Western Civilization from the period of the sixth century in Greece to the present time.

History 12 - A continuation of History 11 (3-0-3). Fall, Winter and Summer.

History 13 - A continuation of History 12 (3-0-3). Winter, Spring and Summer.

In addition to a chronological treatment of events studied in the above courses, the dynamics of Western Civilization are studied in works of the following authors: Plato, Lucretius, St. Augustine, Dante, Machiavelli, Descartes, Locke, Swift, Rousseau, Adam Smith, Ricardo, Malthus, Bentham, Carlyle, Marx, Shaw and Hersey.

History 11-12-13 are required of all students seeking an Associate degree from Armstrong College and are designed to be complementary with English 11-12-13.

History 110x - Western Civilization (5-0-5). Winter. (Not offered 1952).

A survey of the political and cultural history of the Near Eastern and European civilization from the earliest times through World War II. Special emphasis is given to the Commercial and Industrial Revolutions, the rise of political democracy in Europe and America, the extension of European culture to Asia and Africa, the conflicts of European states, and the recent and contemporary developments in the world.

History 110y - Continuation of History 110x (5-0-5). Spring. (Not offered 1952).

History 22 - Latin American (5-0-5). Spring.

This course surveys the colonial, revolutionary and recent developments in the countries of Hispanic America.

History 25 - Recent European History (5-0-5). Spring.

This course is designed to provide an opportunity for detailed study of major national and international developments in European affairs from about 1870 to the present time. Special emphasis is devoted to the first World War and new developments in Europe following that war and the complex of world events which preceded the Second World War.

History 26 - Recent America History (5-0-5). Fall and Winter.

This course has as its purpose the examination of the most important events and movements, political, social and cultural, in American life from about 1900 to the present time.

HOME ECONOMICS

Home Economics 10 - Orientation (3-0-3). Fall.

An introduction to home economics that gives the student some idea of the vocational opportunities in this field so she will be able to take better advantage of her course of study in college.

Home Economics 2n - Nutrition and Food Preparation (4-2-5). Laboratory fee, \$4.00.

The fundamental principles of nutrition and food preparations are considered. The nutrition requirements of children and of adults are compared. Special attention is given to the nutrition requirements of childhood and pregnancy.

Home Economics 11 - Clothing (2-6-5). Fall and Spring. Laboratory fee, \$1.00.

A study of clothing to suit the individual needs and the application of art principles to dress, together with problems in clothing construction in laboratory periods will be pursued.

Home Economics 12 - Foods (3-4-5). Fall and Spring. Laboratory fee, \$7.00.

An introduction to the basic food and family meal service. Complete meals are prepared and served in each laboratory period.

Home Economics 13 - Catering (2-6-5). Winter. Laboratory fee, \$7.00. Prerequisite: Home Economics 12, or consent of instructor.

A more advanced approach to food preparation and selection. Foods are purchased and prepared for special occasions, such as formal dinners, luncheons, receptions and teas.

Home Economics 21 - Home Furnishing (4-3-5). Fall. Laboratory fee, \$2.00. Prerequisite: Art 11 or consent of the instructor.

A study of the home from the standpoint of family needs. Both the interior and exterior of the home are considered with reference to such topics as home lighting, wall treatments, floor coverings, and storage space. Period styles of furniture from those of ancient times to the present are studied.

Home Economics 22 - Nutrition (5-0-5). Spring. Prerequisite: Chemistry 11 or 12, or consent of the instructor.

A consideration of the laws governing the food requirements of individuals for maintenance and growth of the body. The food nutrients and their contributions to the daily dietary are studied.

Home Economics 23 - Advanced Clothing (2-6-5). Winter. Laboratory fee, \$1.00.

Lectures cover garment selection and wardrobe planning and an introduction to the study of textiles. Laboratory periods are devoted to developing more advanced techniques in clothing construction.

JOURNALISM

Journalism 11 - (1-2-2). Fall.

Students gain theoretical and practical experience in working out editorial, mechanical and business problems dealing with a publication.

Journalism 12 - *A continuation of Journalism 11* (1-2-2). Winter.

Journalism 13 - *A continuation of Journalism 12* (1-2-2). Spring.

MATHEMATICS

Mathematics 11, 12 and 13 is a terminal sequence, giving information about the genesis and development of mathematics.

Mathematics 11 - Basic Mathematics (3-0-3). Fall and Spring.

An introduction to inductive and deductive methods; Euclidean and non-Euclidean systems; theory of arithmetic numbers, operations and measurements; and logarithms.

Mathematics 12 - Basic Mathematics (3-0-3). Winter and Summer.
Prerequisite: Mathematics 11.

A continuation of the course started in Mathematics 11; variation; interest and annuities; progressions of numbers; combinations and probability; functional relationships; and the binominal theorem.

Mathematics 13 - Basic Mathematics (3-0-3). Spring and Fall.
Prerequisite: Mathematics 12.

Advanced circular functions; equations; common curves; and statistical concepts.

Mathematics 16 - College Algebra (5-0-5). Fall and Spring. Prerequisite: Two years of high school algebra and one of Plane Geometry. (Students with insufficient preparation may audit Mathematics 16).

A course in advanced algebra planned for mathematics or science majors. The course consists of functions and graphs; logarithms; linear and quadratic equations; the binomial theorem; complex numbers and the elementary theory of equations.

Mathematics 17 - Trigonometry (5-0-5). Fall and Winter. Prerequisite: Mathematics 16.

A course covering the solution of the right and general triangle; the general solution of trigonometric equations; trigonometric identities; polar coordinates and the use of the slide rule.

Mathematics 18 - Plane Analytic Geometry (5-0-5). Winter and Spring. Prerequisite: Mathematics 17.

Analytic geometry of the point and the line; elementary conic sections; polar coordinates; transcendental curves and transformation of coordinates.

Mathematics 21 - Differential Calculus (5-0-5). Fall. Prerequisite: Mathematics 18.

Theory of differentiation, with application to tangents; maxima and minima; rates; curvature; velocity and acceleration; approximations; and Newton's method.

Mathematics 22 - Integral Calculus (5-0-5). Winter. Prerequisite: Mathematics 21.

Formulas and methods of integration, single integration applied in areas and lengths; volumes and surfaces of revolution; centroids and moments of inertia; pressure and work.

Mathematics 23 - Differential and Integral Calculus (5-0-5). Spring. Prerequisite: Mathematics 22. (Not offered in 1951-52).

The law of the mean and indeterminate forms; series, with applications; partial and total derivatives, with applications; essentials of solid analytic geometry; multiple integration, applied to areas, volumes, centroids and moments of inertia.

Mathematics 99 - Remedial Algebra (5-0-5). Spring. (Not offered in 1952).

Designed to furnish the student with an insufficient high school mathematics foundation with the background necessary for successful completion of College Algebra, this course includes theory of numbers, factoring, fractions, linear equations, exponents and radicals and quadratic equations.

MUSIC

(See Fine Arts)

PHYSICAL EDUCATION

Physical Education 11 - Conditioning Course (0-3-1). Fall.

Consists of calisthenics; stunts and tumbling; lifts and carries; road work, dual combatives; and simple games.

Physical Education 12 - Team Sports (0-3-1). Winter.

Consists of basketball, soccer, speedball and volleyball.

Physical Education 13 - Elementary Swimming (0-3-1). Spring.

Physical Education 20 - First Aid and Safety Education (4-0-3). Winter.

The American Red Cross standard course in first aid is followed by a broad consideration of the opportunities for safety teaching in the school program.

Physical Education 21 - Elementary Tennis (0-3-1). Fall.

Physical Education 22 - Elementary Boxing for Men (0-3-1). Winter.

Physical Education 23 - Senior Life Saving and Instructors' Course in Swimming for Men (2-3-2). Spring.

Physical Education 24 - Boxing for Teachers (2-3-2). Winter.

Physical Education 25 - Folk Rhythms (0-3-1). Fall.

Physical Education 26 - Modern Dance (0-3-1). Winter.

Physical Education 27 - Tap Dance for Beginners (0-3-1). Winter.

Physical Education 28 - Adult Recreative Sports (0-3-1). Spring.

Consists of passive, semi-active, and active games and sports which have carry-over value for later life.

Physical Education 29 - Folk Rhythms for Teachers (2-3-2). Fall.

This course consists of advanced training in folk dances and practice teaching of those dances.

Physical Education 30 - Archery (0-3-1). Spring.

PHYSICS

Physics 10 - Physics Survey (5-2-6). Fall. Laboratory fee, \$2.50.

Designed for those students who do not intend to major in science. Topics are selected from the major fields of physics, and are presented with sufficient intensity to show the logic and methods of physics. Lecture demonstration methods, discussion sessions and laboratory work. No prerequisite other than high school algebra.

Physics 11 - General Physics (5-2-6). Winter. Laboratory fee \$2.50. Prerequisite: a course in college mathematics or consent of instructor.

Lectures, demonstrations, recitations and laboratory work covering the fields of mechanics and heat.

Physics 12 - General Physics (5-2-6). Spring. Laboratory fee \$2.50. Prerequisite: Physics 11 or consent of instructor.

Lectures, demonstrations, recitations and laboratory work covering the fields of electricity, sound and light.

POLITICAL SCIENCE

Political Science 12 - The Governments of Foreign Powers (5-0-5). Summer and Winter.

A study is made of the leading modern political theories, and attention is paid to the structure and powers of the major foreign governments.

Political Science 13 - Government of the United States (5-0-5). Fall and Winter.

A study is made of the structure, theory, workings of the national government in the United States and some of the major problems of the state and local government. The course shows how developmental practice has arrived at our government as it stands today.

PSYCHOLOGY

Psychology 1n (5-0-5).

This course is an introduction to the study of human behavior with emphasis on the underlying principles of mental adjustments. The importance of the nurse's own personality is stressed.

Psychology 21 - Introductory Psychology (5-0-5). Fall and Spring.

In this course human behavior is analyzed into its elementary functions of learning, feeling, thinking, maturation, motives and conflicts. Facts and principles from scientific research in psychology are used for understanding these functions and for measuring individual differences in ability, personality and development. Standardized experiments and the students own experiences are used to explore and apply the facts in this field.

Psychology 22 - Social Psychology (5-0-5). Winter. Prerequisite: Psychology 21.

This course is an introduction to the psychology of groups. An analysis is made of psychological and socio-cultural motivation of the individual. Special attention is given to a study of group membership, leadership, inter-group tensions, development of attitudes and values, prejudice, propaganda and public opinion..

Psychology 23 - Child Psychology (5-0-5). Spring. Prerequisite: Psychology 21.

This course offers a study of the developmental factors operating in a child's experience which make for, or interfere with, effective

expression of his capacities and adjustment to life situations. Sources are drawn from experimental research and from findings of analytic psychology. Direct observation of children individually and in a nursery is used as a source for class discussion.

Psychology 25 - Psychology of Adjustment (5-0-5). Winter.

In this course emphasis is placed on the problems of the college student, drawn from systematic studies and from self-analysis. Case studies, direct experience and psycho-dramas are used for class discussion.

PUBLIC SPEAKING

(See English 28)

SOCIOLOGY

Sociology 2n (5-0-5).

This course considers (1) the principles of sociology; (2) the nurse as a citizen of the community and as a professional worker; (3) the importance of the hospital among the social agencies in the community; (4) the patient in the hospital coming from the family and returning to the family.

Sociology 20 - Introductory Sociology (5-0-5). Fall.

A study of the principles of social organizations in American culture based on scientific studies of groups, "races," population and of the institutionalized functions of society.

Sociology 21 - Marriage and the Family (5-0-5). Winter and Spring.

A study of family backgrounds, preparation for marriage, marriage interaction and family administration, family economics, problems of parenthood, family disorganization. A study of the family in the post-war period and present trends in family life are included.

SPANISH

(See Foreign Languages)

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For Reference

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*Armstrong College
of Savannah*

SAVANNAH, GEORGIA

1952 - 1953

SUMMER

FALL

WINTER

SPRING

Bulletin of

Armstrong College
of Savannah

A Junior College Maintained
by the City of Savannah, Georgia

18817



Membership In

American Association of Junior Colleges

Southern Association of Colleges and Secondary Schools

Association of Georgia Colleges

Georgia Association of Junior Colleges

VOLUME XVII

NUMBER 1

ARMSTRONG COLLEGE
LIBRARY

CALENDAR FOR 1952 - 1953
SUMMER SESSION - EVENING COLLEGE - 1952
FIRST TERM

Registration	June 16
Classes begin	June 17
Last day to register for credit	June 23
Mid-term reports due	July 3
Examinations	July 23-24

SECOND TERM

Registration	July 28
Classes begin	July 29
Last day to register for credit	August 4
Mid-term reports due	August 14
Examinations	September 3-4

FALL QUARTER

Freshman testing and Sophomore counseling	September 22
Freshman orientation	September 23-26
Registration	September 26
Classes begin	September 29
Last day to register for credit	October 10
Mid-term reports due	October 31
Thanksgiving Holidays	November 27-30
Pre-registration	December 3-5
Examinations	December 17-19
Parade and Basketball game	December 20
Homecoming reception and dance	December 22
Christmas holidays	December 22-January 1

WINTER QUARTER

Registration	January 2
Classes begin	January 5
Last day to register for credit	January 16
Mid-term reports due	February 6
Pre-registration	March 2-4
Examinations	March 13-16
Spring holidays	March 17-22

SPRING QUARTER

Registration	March 23
Classes begin	March 24
Last day to register for credit	April 3
Mid-term reports due	April 24
Pre-registration, Summer and Fall Quarters	May 20-22
Examinations	June 1-3
Sophomore Party	June 5
Sophomore-Alumni Luncheon	June 6
Graduation	June 8

SUMMER SESSION - EVENING COLLEGE - 1953
FIRST TERM

Registration	June 15
Classes begin	June 16
Last day to register for credit	June 23
Mid-term reports due	July 2
Examinations	July 22-23

SECOND TERM

Registration	July 27
Classes begin	July 28
Last day to register for credit	August 3
Mid-term reports due	August 13
Examinations	September 3-4

Administration

THE COLLEGE COMMISSION

HERSCHEL V. JENKINS	- - - - -	Chairman
WILLIAM MURPHEY	- - - - -	Vice-Chairman
JAMES BARNETT, <i>Ex-officio</i>		JAMES P. HOULIHAN, <i>Ex-officio</i>
MORRIS BERNSTEIN		G. PHILLIP MORGAN, SR.
BENJAMIN H. LEVY, <i>Ex-officio</i>		MRS. WILLIAM F. ROBERTSON
OLIN F. FULMER, <i>Ex-officio</i>		FRED WESSELS, JR.
ALFRED T. VICK, <i>Ex-officio</i>		

ADMINISTRATIVE STAFF AND FACULTY

FOREMAN H. HAWES A. B., M. S.	President
ARTHUR M. GIGNILLIAT, A. B., M. A.	Director of the Evening College
W. ORSON BEECHER, A. B., M. A.	Dean of Students
JOSIE R. NELSON	Secretary and Treasurer
WILLIAM ALLGOOD, B. S., M. S., University of Alabama.	Instructor in Biology and Chemistry
BARBARA COWAN ANCHORS, A. L. A., Armstrong College	Acting Librarian
W. ORSON BEECHER, A. B., M. A., Emory University; M. A. University of Georgia	Instructor in History
WILLIAM L. BELL, B. S. in Education, Georgia Teachers College; Graduate study, George Peabody College for Teachers	Basketball Coach and Instructor in Physical Education for Men
**STEPHEN P. BOND, Bachelor of Science and Architecture, Georgia Institute of Technology	Instructor in Engineering
ARTHUR W. CASPER, B. S., Beloit College; M. S., University of Wisconsin	Instructor in Mathematics

** Part-time instructors

LAMAR W. DAVIS, B. S., University of South Carolina; Graduate work,
University of South Carolina

Instructor in Business Administration

ELEANOR J. DOYLE, B. S., Immaculata College; M. A., Catholic Univer-
sity of America; Graduate Study, Tulane University

Instructor in Spanish and Director of Publications and Publicity

**HARRIET ALLEN HAINES, Graduate of the Pape School, Draughton's
Business College

Instructor in Typewriting

UNO KASK, B. S., University of Georgia; Graduate work at the Univer-
sity of Washington, Seattle, Washington

Instructor in Chemistry

JOSEPH I. KILLORIN, A. B., St. Johns College; M. A., Columbia Univer-
sity

Instructor in History

MARGARET SPENCER LUBS, B. M., Converse College; A. B., University
of Georgia; M. A., Columbia University

Instructor in French and English

ELMO M. MCCRAY, JR., B. S., and M. S., University of Alabama

Instructor in Biology

DOROTHY MORRIS, B. S., University of Tennessee

*Instructor in Physical Education for Women and
Acting Director of The Physical Education Program*

MARJORIE A. MOSLEY, Associate in Finance and Commerce, Armstrong
College

Secretary to the President

HINCKLEY A. MURPHY, B. A., Vanderbilt University; M. A., Columbia
University

Instructor in English

JACK H. PADGETT, A. B., Wofford College; M. A., University of North
Carolina

Instructor in Mathematics

JACK PORTER, A. B., George Peabody College for Teachers; M. A.
University of North Carolina

Instructor in English and Director of the Armstrong College Masquers

** Part-time instructors

ELIZABETH POUND, Georgia State College for Women, State Teachers College

Director of Student Center

ANNA CONE SEYLE, A. L. A., Armstrong College; B. A., University of Georgia

Ass't. Registrar and Secretary to the Dean of Students

DOROTHY M. THOMPSON, A. M., Monmouth College; M. A., Northwestern University; Certificate of Psychiatric Social Work, Western Reserve University

Instructor in Psychology and Sociology

* CARMEN TORRIE, B. S., Concord College; M. S., University of Tennessee

Director of Athletics and Instructor in Physical Education

** ANNE WILSON, B. M., Wesleyan Conservatory; Graduate Work, Cornell University

Director of the Glee Club

HELEN C. WOLFE, B. S., Columbia University; M. S., Florida State University

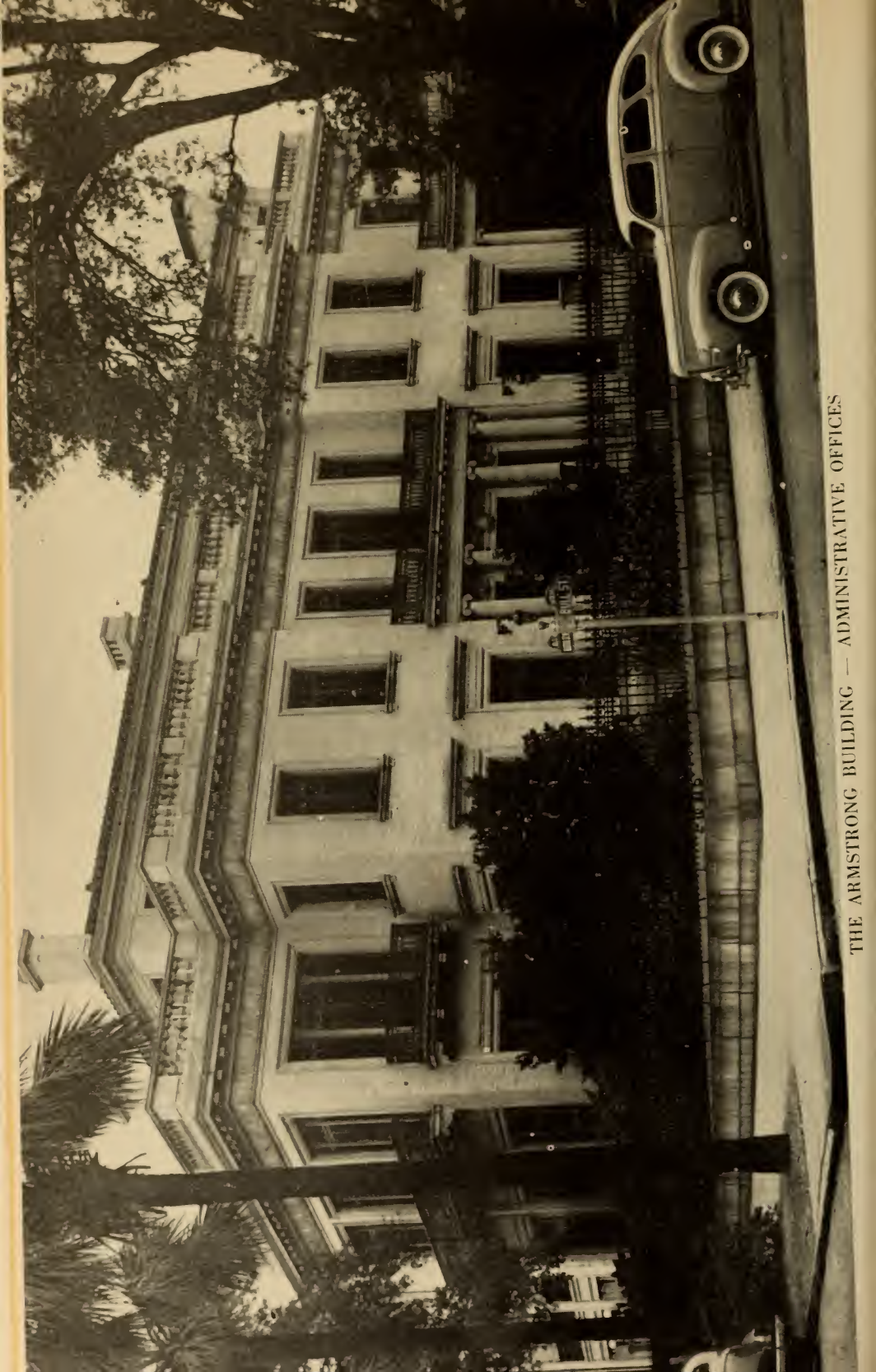
Instructor in Home Economics

GLADYS NICHOLS ZILCH, Diploma from the Gregg School of Chicago

Instructor in Commerce

* On leave of absence with the Armed Forces.

** Part-time instructors



THE ARMSTRONG BUILDING — ADMINISTRATIVE OFFICES

General Information

HISTORY AND ORGANIZATION

Armstrong College of Savannah was founded on May 27, 1935, by the Mayor and Aldermen of the City of Savannah to meet a long-felt need for a junior college. The first college building was the magnificent home of the late George F. Armstrong, a gift to the city from his widow and his daughter. The former home, now called the Armstrong Building, is an imposing structure of Italian Renaissance architecture; inside, its spacious rooms and marble halls lend an air of dignity; while outside it is one of the most beautiful college buildings in the South.

Over the years, through private donation and public appropriation, the campus has been enlarged until now it includes four additional buildings: the Lane Building, a gift of the late Mills B. Lane, prominent banker; John W. Hunt Memorial Building in which are located the Student Center, the Home Economics Department, the Women's Lounge, the Dancing Studio, and the Music Room; Herschel V. Jenkins Hall, which contains the auditorium, theater for the Armstrong College Masquers, and classrooms; and Thomas Gamble Hall, site of science lecture rooms and laboratories.

Three of the buildings face forty-acre Forsyth Park, the most beautiful park in the city; the other two face Monterey Square, one of the carefully planned squares for which Savannah is famous.

Hodgson Hall, across from Forsyth Park on Whitaker Street, contains the college library as well as the Library of the Georgia Historical Society, to which Armstrong students have access.

The college is under the control of a commission of six members, appointed by the Mayor. In addition, the commission includes as ex-officio members the Mayor, the Chairman of the Chatham County Board of Education, the Chairman of the County Commissioners, the Superintendent of the Board of Education, and the President of the Savannah Chamber of Commerce.

Except for the war years, enrollment has shown a steady increase until the present student body numbers approximately four hundred. As need arises, the curriculum is enlarged and modified to meet new demands.

AIMS

The college seeks to serve the community by giving the men and women who attend its classes a better understanding of the world in which they live and the experience of adapting knowledge to meet the obligations and responsibilities of citizenship.

The student may complete one or more of the following specific objectives:

1. Receive additional liberal education to enrich one's life;
2. Complete the freshman and sophomore years of the four-year senior college program leading to the baccalaureate degree;
3. Finish two years of pre-professional work leading toward medicine, dentistry, law, home economics, the ministry and other professions;
4. Graduate from a semi-professional program, prepared to go into business or industry.

The college awards the degree of Associate in Arts to students completing an approved program.

ADMISSION TO THE COLLEGE

(For dates see calendar on page 2)

A student planning to enter Armstrong should obtain from the Registrar an "Application for Admission Card." The student should complete and return this form to the Registrar's office. REQUEST THE HIGH SCHOOL PRINCIPAL, OR THE COLLEGE REGISTRAR (in the case of a transfer student), TO SEND A TRANSCRIPT OF CREDITS to the Registrar's office, Armstrong College of Savannah, Georgia.

Having checked the student's records for compliance with the minimum requirements for admission, the Registrar's office will send a notice to the student that he has been admitted to the college, together with certain physical examination forms which must be completed and returned before the student can complete registration. The applicant will be notified of the dates of the next testing program. These tests do not affect a student's entering Armstrong, but will enable the counseling staff to assist him in selecting a program of study upon entrance. STUDENTS ARE REQUIRED TO TAKE THESE TEST MEASUREMENTS.

REQUIREMENTS FOR ADMISSION

BY CERTIFICATE

1. A candidate for admission to Armstrong College of Savannah by certificate must be a graduate of an accredited high school with sixteen units of credit.

2. No subject-matter units are prescribed. The high school program should be of such nature as to give satisfactory preparation for beginning college studies. Subjects which may be expected to contribute to this end are English composition, literature, natural science, history and other social studies, foreign languages, and mathematics. The right is reserved to reject any applicant whose high school program does not indicate adequate preparation for college work.

3. A record of high school credits earned by the applicant should be made out on the proper forms by an official of the high school and mailed directly to the office of the Registrar. This certificate becomes the property of the college and cannot be returned to the applicant.

4. Three units in mathematics are a pre-requisite for admission to the freshman class in engineering.

BY EXAMINATION

Students beyond high school age, who do not meet the above requirements for admission by certificate, may take the General Educational Development tests. The student will be admitted to college on the basis of his score. Entrance examinations should be completed at least one week before registration. Additional information may be secured from the Registrar's office.

ADMISSION TO ADVANCED STANDING

Advanced credit will be allowed for work done in other institutions of proper rank and standing and in certain cases for training received in the Armed Forces. Credit toward graduation from transfer institutions will be accepted if the student has a general average of "C" for all college work completed. To receive a diploma from Armstrong College of Savannah, a student must be in attendance for two quarters, earn a "C" average and, in addition, must satisfy the requirements of a particular course of study. Adults (students over 21 years of age) may receive credit for certain college work on the basis of the General Educational Development tests at the college level.

ADMISSION OF VETERANS

Armstrong College will accept veterans who are not high school graduates if their official General Educational Development test shows scores that indicate the applicant's ability to do college work. Certificates of eligibility should be secured from the Veterans Administration prior to registration.

ADMISSION OF SPECIAL STUDENTS

Adults desiring to enroll in courses for their intrinsic value but not desiring transfer credit may be enrolled as special students. Requirements pertaining to entrance examinations, physical examinations and physical education courses do not apply to these students.

FEES

Tuition will be charged as follows:

For 12 quarter hours or more, \$55.00.

For each quarter hour less than 12 quarter hours, \$4.60.

Anyone wishing to audit a course in the day program (but not receive college credit) may do so with permission of the instructor by paying a fee of \$10.00 per course.

A graduation fee of \$7.50 will be collected from each candidate for graduation.

Any student delinquent in the payment of any fee due the college will have grade reports and transcripts of records held up, and will not be allowed to re-register at the college for a new quarter until the delinquency has been removed.

Each student leaving Armstrong College is entitled to one official transcript of his college work. The charge for additional copies is \$1.00 each.

A student activity fee of \$5.00 will be charged. This fee will entitle the student to receive all student publications, and admission to college sponsored dances, athletic contests, film programs and all productions of the *Masquers*.

All veterans must present a certificate of eligibility the first time they register at Armstrong College. A veteran who has not obtained

a certificate of eligibility prior to registration will be required to pay cash, which may be refunded by the Business Office upon receipt of the certificate.

Students taking laboratory work will be required to pay a fee for materials and equipment. This fee is indicated in the description of courses found under "Course Descriptions" elsewhere in this bulletin.

Any student who desires to take more than 18 quarter hours per quarter must have the approval of his adviser.

Refunds of fees and tuition will be made ONLY upon written application for withdrawal from school. No refunds will be made to students dropping a course. The schedule of refunds is given below:

REFUND SCHEDULE

Fall Quarter, 1952	Sept. 26, 27, 29, 30,	80% of fees paid
	Oct. 1, 2,	80% of fees paid
	Oct. 3, 4, 6, 7, 8, 9,	60% of fees paid
	Oct. 10, 11, 13, 14, 15, 16,	40% of fees paid
	Oct. 17, 18, 20, 21, 22, 23	20% of fees paid
Winter Quarter, 1953	Jan. 2, 3, 5, 6, 7, 8,	80% of fees paid
	Jan. 9, 10, 12, 13, 14, 15,	60% of fees paid
	Jan. 16, 17, 19, 20, 21, 22,	40% of fees paid
	Jan. 23, 24, 26, 27, 28, 29	20% of fees paid
Spring Quarter, 1953	Mar. 23, 24, 25, 26, 27, 28,	80% of fees paid
	Mar. 30, 31,	60% of fees paid
	April 1, 2, 3, 4,	60% of fees paid
	April 5, 6, 7, 8, 9, 10,	40% of fees paid
	April 11, 12, 13, 14, 15, 16	20% of fees paid
First Session Summer Quarter, 1953	June 15, 16, 17,	80% of fees paid
	June 18, 19, 20,	60% of fees paid
	June 22, 23, 24,	40% of fees paid
	June 25, 26, 27	20% of fees paid
Second Session Summer Quarter, 1953	July 27, 28, 29,	80% of fees paid
	July 30, 31,	60% of fees paid
	Aug. 1	60% of fees paid
	Aug. 3, 4, 5,	40% of fees paid
	Aug. 6, 7, 8	20% of fees paid

ORIENTATION AND ADVISEMENT

The counseling and advisement service of Armstrong College, in connection with the office of the Dean of Students, offers help in solving problems connected with the student's pursuit of the college program.

Students are urged to request help from their instructors when the difficulty is one concerned with the subject itself and having no complications. The areas with which the adviser is usually concerned are choice of vocation, the planning of work in college, study habits generally and personal adjustment to college life. Those problems which do not fit into these general categories either because of greater intensity or critical development are referable to community agencies outside the college if the student or his guardians so agree.

During the year 1951-52 the academic advisement of students was distributed among the entire faculty so that each instructor carried the responsibility for a proportionate number of the entire student body registered in the daytime program. Advisement interviews were scheduled with each student at least once a quarter and appointments for these interviews were mailed from the office of the Dean of Students. These interviews were designed to aid the student in planning his program of work in college. In addition to the advisement program, a program of college orientation was set up for Freshman students beginning during Freshman Week and continuing throughout the year. Under this program the Freshman class was divided into groups of from fifteen to twenty students to meet at 1:30 each Thursday throughout the year. Attendance was strongly urged and one quarter hour's credit was granted for the completion of the full year. During the year a similar program for Sophomores was instituted.

LIBRARY

Hodgson Hall houses not only the library of Armstrong College, but also that of the Georgia Historical Society. Since all books are on open shelves, students have immediate access to both collections. The reading room, which has recently been redecorated, is well lighted, most attractive and popular among the students. They are urged to enjoy this room which contains fiction, biography, magazines, books in foreign languages, and our phonograph on which the students may hear their favorite records. It opens into a garden, well equipped with outdoor furniture, a pleasant place to relax or study.

The library's holdings consist of a very good collection of standard reference books and fiction totaling over 10,000 volumes. There are more than 100 periodical subscriptions, including five newspapers, four of which are dailies.

The library is open on certain evenings for the use of the Evening college students, and each school day from 8:30 a. m. to 5:30 p. m.

In addition to the resources of the college library, students are encouraged to use the Savannah Public Library, which has a good

reference department and much material of interest to students, including a large collection of fiction, government documents, microfilm copies of newspapers, and music records. The main building is on Bull Street and has a union catalog, listing the holdings of the Downtown Branch, Waters Avenue Branch, and of the Georgia Historical Society.

MENTAL HEALTH

The clinic is an integral part of the Public Health Department of the City of Savannah, which has as its primary functions the development of a community-wide mental health program and the treatment of the emotional problems of children and adults.

In its relation to the college the clinic staff acts as a "group consultant" to the faculty through the medium of group sessions. The purpose of these meetings is to help the college staff conduct a mental hygiene program for the students. It is hoped that through this program the students will be able to explore themselves and develop their capacities as persons in such a way as to be able to get more out of their everyday inter-personal relationships and to assume their personal responsibilities as citizens in the community.

The clinic "team" is composed of a full-time psychiatrist, psychiatric social worker, psychologist, and two secretaries.

Very recently the clinic expanded its facilities and moved into new, remodeled quarters located on the ground floor in the Lane Building at 20 West Gaston Street.

EVENING COLLEGE

This part of our program is designed to serve the needs of those in the community who wish to continue their formal education by taking courses in the late afternoon and evening. Many of these carry full college credit which may be applied toward graduation at Armstrong or which may be transferred to other institutions for credit. Courses are also offered which may or may not carry college credit but which will meet special needs and cultural interests of individuals and groups in the community. An evening college bulletin will be sent on request.

AUDIO-VISUAL INSTRUCTION

Many of the class rooms of the college are equipped with screens for the showing of films, which are used extensively by all of the departments. In the teaching of English, foreign languages and music, visual aids are supplemented by recordings.

HOMECOMING AND OPEN HOUSE

Twice each year the college invites the public to visit the campus. The week before Christmas Holidays, Homecoming is celebrated for all alumni and students with a parade, a reception, an intercollegiate basketball game, and the Christmas dance. All alumni, students and their friends are invited to attend.

During the Spring, the college is open to the general public for inspection during its annual Open House. Exhibits are prepared by the various departments interpreting the work done in the junior college. Those desiring may make tours of the college buildings and attend a social hour in the Home Economics Department.

STUDENT ASSISTANTS

The college employs a number of student assistants each year. These students work in the library, science laboratories, business office and with the faculty. Those who desire such employment should apply to the staff member who is in charge of the work in which he is interested or to the President of the college.

SCHOLARSHIPS

The scholarships which are available to students are listed below. Application blanks may be secured from the President's office in the Armstrong Building. Those who wish to apply for scholarships for the school year beginning in September should file an application in the President's office not later than July 15. All applicants are required to appear before an oral interview board during the month of August. Each applicant will be notified when to appear for this interview.

Commission Scholarships	8 for \$100.00 each
(This is a work scholarship)	
Arthur Lucas Scholarships	5 for \$100.00 each
Junior Chamber of Commerce	2 for \$100.00 each
American Business Club	2 for \$100.00 each
John Helm Maclean Memorial Scholarship	2 for \$200.00 for 2 years
Edward McGuire Gordon Scholarships	1 for \$100.00
Savannah Gas Co. Engineering	1 for \$200.00 (Men only)
Savannah Gas Co. Home Economics	1 for \$100.00 (Men only)
Friedman's Jewelers Scholarships	2 for \$100.00 each
	10 for \$100.00 each

PLACEMENT SERVICE

The college maintains a placement service for the benefit of employers and students. Anyone seeking part time employment while in college, or full time employment after leaving college, should place his name on file with the Business Office.

COMMENCEMENT EXERCISES

Commencement exercises are held each year in June. At this time the degree of Associate in Arts is awarded to those students who have met the requirements for graduation. At this time recognition is given to those students who qualify for scholastic honors. The Faculty and Graduates participate in full academic dress.

STUDENT CENTER

The college does not operate a boarding department. The Student Center in the Hunt Building is open throughout the day and provides light lunches at reasonable prices. The Center also provides recreational facilities and houses the Book Store.

STUDENT ACTIVITIES

The entire program of student activities at the college is designed to contribute to the development of the whole individual and to assist him in becoming an active and helpful member of the community. The program is directed by the Dean of Students and the Student Senate, which is composed of representatives from each recognized club or group. Each student is urged to participate in those activities which are of interest to him.

ATHLETICS

Basketball is the only sport in which the college fields an inter-collegiate team. All other sports at the college are on an intramural basis.

PHYSICAL EDUCATION PROGRAM

The college requires all students to participate in a physical education program. The program includes intramural competition in several sports. Various activities are available, such as swimming, softball, archery, tap dancing, modern dancing and tumbling.

THE ARMSTRONG FILM CLUB

The purpose of the Armstrong Film Club is to bring to Savannah foreign and American films of the past and present which possess outstanding merit. Admission of the general public is by purchase of membership cards. Armstrong students are admitted on their activity cards. Net proceeds of the club are used to add equipment to the audio-visual program of the college.

PUBLICATIONS

The college publishes the *Inkwell*, a newspaper; the *Mercury*, a magazine; and the *'Geechee*, a yearbook. These afford students an opportunity to express their opinions on a wide variety of topics, to do creative writing and gain practice in other journalistic activities.

THE ARMSTRONG COLLEGE MASQUERS

The Armstrong College Masquers, with a charter membership of over seventy students, was organized in the Fall of 1950, after the Savannah Playhouse separated from Armstrong College and was reorganized as The Little Theatre, Inc.

The Masquer organization's goal is to furnish enjoyment and appreciation of the drama for both participants and spectators through a balanced presentation of popular and classic theatre.

Masquer membership is open to all students interested in any phase of the theatre: acting, designing, lighting, make-up, costuming, and other production skills.

An affiliate of the Masquers is the Armstrong Radio Workshop, formed to offer interested students an opportunity to develop techniques of radio broadcasting.

GLEE CLUB

The Armstrong Glee Club was organized in September, 1949. Its members are drawn from the student body and faculty. Besides giving two complete concerts at the college, one at Christmas and one in the Spring, the group has sung for many civic clubs in Savannah.

Rehearsals of one hour duration are held three times a week. Membership is open to all interested students.

General Regulations

ADVISEMENT AND PLACEMENT TESTS

To help a student find himself and select a definite objective early in his college program, the Armstrong staff administers to each entering freshman a series of interest, aptitude, and achievement tests. In the Fall, these are given during Freshman Week and are scored prior to the student's interview with an adviser. On the basis of these objective measurements, the student's previous record, his interest and his family counsel, the student with the aid of his adviser decides on a program of study which will enable him to accomplish his purpose.

PHYSICAL EXAMINATIONS

Each day school student must submit a completed physical examination report on the forms furnished by the college before he can complete his registration. A chest X-ray is also required. On the basis of the examinations, the physical education department will adapt a program of training and recreation to individual requirements. This regulation is not applicable to students enrolled only in the Evening College.

COURSE LOAD

The unit of work for a regular student is 12-18 quarter hours per quarter. A nominal schedule of sixteen quarter hours presupposes that the average student will devote approximately forty-eight hours per week to his college classes and to his preparation therefor.

Permission to enroll for more than 18 quarter hours will be granted when curricular requirements make such action necessary, or when evidence as to the capacity of the student seems to justify that the privilege be granted. No student will be allowed to register for more than 21 hours in any one quarter.

ADMISSION TO CLASS

Students will be admitted to class when the instructor is furnished an official class card indicating that he has completed his registration and paid his fees in the Business Office.

CONDUCT

Compliance with the regulations of the faculty and the Armstrong College Commission is assumed. The use on the campus of intoxicating beverages, gambling, and hazing are prohibited. The faculty approved the recommendation of the Student Senate for consideration

and handling of honor infractions in class work. This provision and other instructions contained in the Armstrong Handbook are official regulations.

REPORTS AND GRADES

It is felt by Armstrong that students in college should be held accountable for their own scholarship. Accordingly, report cards, warnings of deficient scholarship and other such notices are not sent out to parents or guardians by the college except on request. Instead the students themselves receive these reports and are expected to contact their advisers whenever their work is unsatisfactory. Report cards are issued at the end of each quarter. Reports of failing grades are issued in the middle of each quarter. Each student has access to an adviser and in addition, the Dean of Students, and all instructors are available to help and advise any student seeking assistance.

Reports are based on the following system of grading:

A plus	Exceptional	4 honor points per quarter hour
A	Excellent	3 honor points per quarter hour
B	Good	2 honor points per quarter hour
C	Fair	1 honor point per quarter hour
D	Poor	No honor points per quarter hour
E	Incomplete	Incomplete must be removed before mid-term of the following quarter
F	Failure	Course must be repeated
W	Withdrew	Course must be repeated
W/F	Withdrew Failing	Course must be repeated

A student who receives an "E" (incomplete grade) should consult his instructor at once and arrange to complete the requirements of the course. An "E" grade which has not been removed by the middle of the succeeding quarter automatically becomes an "F." An "E" grade becomes an "F" if the course is repeated.

HONORS

Students who have been in attendance for three consecutive quarters taking a normal load and achieving an average grade of "B" or better with no grade below that of "C" will be placed on the Permanent Dean's List. This list is published each June in the commencement program.

Graduates who meet the requirements for the Permanent Dean's List and who are graduating with an average of three honor points per quarter hour, will be designated as graduating summa cum laude

(with highest distinction). The designation cum laude (with distinction) will be bestowed upon those meeting the above requirements with an average of two honor points per quarter hour.

A valedictorian will be selected by the graduating class from the five students with the highest scholastic averages in the work completed before the term in which the students graduate.

Students who make a grade of "B" or better in each course during any quarter will be placed on the Dean's Scholastic Attainment List.

ATTENDANCE

Students are expected to attend classes as scheduled. Any absence, whatsoever, from class work entails a loss to the student.

A student who has been absent from class for a valid reason should have the absence excused with a written statement to his instructor who will initial it. The student will then file this form in the Registrar's office. Excuses must be submitted within seven days from the date the student returns to school; otherwise the absence will not be excused.

A student who has unexcused absences equal in number to the times the class meets in one week, and has one additional unexcused absence, will be dropped from class. The instructors will notify the Registrar's office when a student should be dropped. The Registrar's office will notify the student. Grades assigned to those who have been dropped will be either W or W-F, depending on the status of the student at the time he is dropped from class.

Attendance at bi-weekly assemblies is required.

WITHDRAWALS

A formal withdrawal, presented to the President in writing, is a pre-requisite for honorable dismissal from, or re-entrance into, this institution. Any student planning to withdraw should immediately make such intentions known to the administration of the college in writing. This notice is required to receive any authorized refunds.

In order that a student may not receive a failing grade on his permanent record card in the Registrar's office, he should formally withdraw from any class which he discontinues by securing the instructor's written approval. This written approval should be filed in the Registrar's office.

REQUIREMENTS FOR GRADUATION

The requirements for graduation from Armstrong College of Savannah are as follows:

1. The completion of a program of study listed under "CURRICULUMS" with an average grade of "C."
2. One-third of the work required for graduation should be completed at Armstrong College.
3. Not more than one-fourth of the total work required for graduation may be met by correspondence courses.

Candidates for graduation should make application in the Registrar's office two quarters prior to the expected date of graduation.

RECOMMENDATIONS

The recommendations issued by the college are based on the grades the student earns, his student activity record, and the opinions expressed by his instructors on a special student rating form.

The files of the Registrar's office which include all permanent records are consulted regularly by representatives of the Federal Bureau of Investigation, the Civil Service, the local Credit Bureau and other agencies having access to confidential records. A good college record is of vital importance to a student.

Curriculums

GENERAL

Before registration, the student should **PLAN A PROGRAM OF STUDY WITH AN ADVISER**. Even if a student knows what courses are required for graduation, he should have on record in the office of the Dean of Students a copy of his program.

The Associate of Arts degree is conferred upon all students who complete at Armstrong College one of the programs outlined in the catalog.

When a student wishes to change his objective or his program of study, he must discuss these changes with his adviser.

If a student plans to transfer to another institution either before or after graduation it is essential that he determine what courses must be completed at Armstrong in order to conform with the degree requirements of the institution to which he wishes to transfer.

THE CORE CURRICULUM

There are certain bodies of knowledge and certain skills indispensable to every college trained man and woman. The understanding of one's environment and man's struggle to adapt it to useful ends, the ability to communicate his thoughts and feelings; right group-attitudes and coordinated physical activity—these objectives are set up in the following courses required of all students desiring to graduate.

Freshman year: English 11-12-13; History 11-12-13; ten quarter hours of a laboratory science, and Physical Education 11-12-13.

Sophomore year: English 21-22-23 and three quarters of physical education. Students enrolled in certain terminal courses described below may substitute English 20 and English 28 for English 21-22-23.

Students graduating in less than the six' quarters of the regular session may reduce their physical education requirements accordingly. Physical education should be taken in the proper sequence and two courses should not be scheduled in any one quarter.

COURSE NUMBERS

Courses which are offered in the day program are assigned a number which is less than 100. All Evening College courses are numbered above 100.

ASSOCIATE IN ARTS DEGREE

CONCENTRATION

BUSINESS ADMINISTRATION*

SENIOR COLLEGE PREPARATORY

FIRST YEAR		SECOND YEAR	
English 11, 12, 13—Freshman English	9	English 21, 22, 23—Sophomore English	9
History 11, 12, 13—Western Civilization	9	Physical Education	3
Physical Education 11, 12, 13	3	Commerce 24, 25—Accounting	10
Laboratory Science	10	Economics 21, 24—Principles and Problems	10
Mathematics 16—College Algebra	5	Political Science 13—Govt. of U. S.	5
Mathematics 19—Finance	3	Electives	11
Electives	9		
TOTAL	48	TOTAL	48

* A student should consult the catalog of his prospective senior college for required subjects. Colleges differ as to what subjects are required for this course.

CONCENTRATION—BUSINESS ADMINISTRATION

TERMINAL

Many students will not continue their formal education after leaving Armstrong. To these students the college gives the opportunity to select those subjects which have a vocational value. Sufficient general education is included in the core curriculum to make this a well-rounded program.

FIRST YEAR		SECOND YEAR	
English 11, 12, 13—Freshman English	9	English 21, 22, 23, or English 20, 28,	10
History 11, 12, 13—Western Civilization	9	Physical Education	3
Physical Education 11, 12, 13	3	Commerce 24, 25—Accounting	10
Laboratory Science	10	Commerce 27—Business Law	5
Economics 21, 24—Principles and Problems	10	Commerce Electives:	
Electives	7	Typing	
		Calculator & Comptometer	
		Shorthand	
		Commerce 26—Intermediate Acct.	
		Commerce 28—Business Law	
		Electives (other)	8 or 9
TOTAL	48	TOTAL	48

CONCENTRATION—SCIENCE

SENIOR COLLEGE PREPARATORY

This course of study is designed for those students who wish to major in the fields of Biology, Chemistry, Physics or Mathematics. At the time of registration the student must specify his major field, and it will be indicated at the time of graduation on the permanent record cards. The major of Biology will include the fields of Pre-Medicine, Pre-Dentistry, Pre-Pharmacy and Medical Technology.*

This program is so constructed that only slight variations are necessary to prepare a student for his particular major and it is the responsibility of each student to see that his program of study conforms to his senior college requirements. A minimum of 96 quarter hours is required for graduation.

FIRST YEAR

English 11, 12, 13—Freshman English	9
History 11, 12, 13—Western Civilization	9
Physical Education 11, 12, 13	3
Mathematics 16—College Algebra	5
Mathematics 17—Trigonometry	5
Electives & Major Requirements	

SECOND YEAR

English 21, 22, 23—Sophomore English	9
Physical Education	3
*Physics 11, 12—General	12
*French or German	10
Electives & Major Requirements	

The above courses are required of all students (except as noted) enrolling in this concentration.

MAJOR REQUIREMENTS:

Major in Biology:

- Biology 14, 15—General Zoology
- Biology 23—Comparative Vertebrate Anatomy
- Chemistry 14, 15—General
- Chemistry 24—Qualitative Analysis
- Chemistry 25—Quantitative Analysis

Major in Mathematics:

- Mathematics 18—Plane Analytic Geometry
- Chemistry or Biology (10 hrs. minimum)

Major in Chemistry:

- Chemistry 14, 15—General Chemistry
- Chemistry 24—Qualitative Analysis
- Chemistry 25—Quantitative Analysis
- Mathematics 18—Plane Analytic Geometry

Major in Physics:

- Mathematics 18—Plane Analytic Geometry
- Chemistry or Biology (10 hrs. minimum)

*Students pursuing a terminal course in Medical Technology may substitute in certain cases, courses recommended by the American Society of Clinical Pathologists.

CONCENTRATION—COMMERCE SECRETARIAL

TERMINAL

This program is designed to meet the needs of those students who wish to qualify for clerical positions in business.

FIRST YEAR		SECOND YEAR	
English 11, 12, 13—Freshman English	9	Commerce 24—Accounting	5
History 11, 12, 13—Western Civilization	9	*English 20—Composition	5
Physical Education 11, 12 13	3	Commerce 17—Office Practice	5
Laboratory Science	10	Commerce 21a-b-c—Typing	6
Commerce 11a-b-c—Typing	6	Commerce 22a-b-c—Shorthand	15
Commerce 12a-b-c—Shorthand	15	*English 28—Public Speaking	5
		Physical Education	3
TOTAL	52	TOTAL	44

*English 21, 22, 23 may be substituted for these English courses.

CONCENTRATION—HOME ECONOMICS

SENIOR COLLEGE PREPARATORY

The vocational opportunities in this field are numerous. Preparation for marriage and personality development are other objectives of the home making courses.

FIRST YEAR		SECOND YEAR	
English 11, 12, 13—Freshman English	9	English 21, 22, 23—Sophomore	9
History 11, 12, 13—Western Civilization	9	Physical Education	3
Physical Education 11, 12, 13	3	Home Economics 21—Home Furnishing	5
Home Economics 10—Orientation	3	Biology	10
Home Economics 11—Clothing	5	Psychology 21—Introductory	5
Home Economics 12—Foods	5	Home Economics Elective	5
Mathematics 11—Basic Mathematics	3	Sociology 21—Marriage and The Family	5
Art 11—Creative	5		
Chemistry 14, 15—General	12		
TOTAL	54	TOTAL	42

CONCENTRATION—HOME ECONOMICS

TERMINAL

This course is designed to meet the needs of those women who plan to complete their college work at Armstrong. Sufficient electives are allowed to enable the student to select commerce subjects which have a vocational value or cultural subjects for worthy use of leisure time.

CURRICULUMS

25

FIRST YEAR		SECOND YEAR	
English 11, 12, 13—Freshman	9	English 21, 22, 23—Sophomore	9
History 11, 12, 13—Western Civilization	9	Physical Education	3
Physical Education 11, 12, 13	3	Home Economics 21—Home Furnishing	5
Laboratory Science	10	Home Economics 22—Nutrition	5
Home Economics 11—Clothing	5	Sociology 21—Marriage and The Family	5
Home Economics 12—Foods	5	Electives	18
Psychology 21—Introductory	5		
Elective	5		
TOTAL	51	TOTAL	45

CONCENTRATION—

SENIOR COLLEGE

PHYSICAL EDUCATION

PREPARATORY

The Physical Education Department is qualified to provide the first two years of preparation for a major in the field of health and physical education for those students planning to enter the field of education or supervised recreation.

FIRST YEAR		SECOND YEAR	
English 11, 12, 13—Freshman	9	English 21, 22, 23—Sophomore	9
History 11, 12, 13—Western Civilization	9	Physical Education	3
Physical Education 11, 12, 13	3	Anatomy & Physiology 1n, 2n, 3n	9
Mathematics 11, 12, 13—Basic	9	*Physical Education 23—Senior Life Saving and Swimming for Men	2
Mathematics 16—College Algebra	5	*Physical Education 24—Boxing for Teachers	2
Mathematics 17—Trigonometry	5	Psychology 21—Introductory	5
Physics or Chemistry	10	Psychology 23—Child	5
Electives	5	Sociology 21—Marriage and The Family	5
Home Economics 22—Nutrition	5	Electives	6
TOTAL	50	TOTAL	46

* Women will take Physical Education 29 and one other Physical Education course.

CONCENTRATION—LIBERAL ARTS

SENIOR COLLEGE PREPARATORY

This program is recommended for candidates for an A. B. degree, pre-education, pre-law, pre-ministerial, journalism, and other pre-professional concentrations.

ARMSTRONG COLLEGE
LIBRARY

FIRST YEAR		SECOND YEAR	
English 11, 12, 13—Freshman	9	English 21, 22, 23—Sophomore	9
History 11, 12, 13—Western Civilization	9	Physical Education	3
Physical Education 11, 12, 13	3	Two of the following courses:	10
Laboratory Science	10	History 25—Recent European	
*Mathematics 11, 12, 13—Basic	9	Political Science 13—American Government	
or		Psychology 21—Introductory	
Mathematics 16—College Algebra	5	Sociology 20—Introductory	
Mathematics 17—Trigonometry	5	Economics 21—Principles	10
*Foreign Language	10	*Science	10
		Electives	14
TOTAL	50	TOTAL	46

* A student applying for admission to a senior college which does not require the amount indicated of this subject may, with the approval of his adviser, substitute other courses required by the senior institution during his first two years.

CONCENTRATION—LIBERAL ARTS TERMINAL

A student in the Libral Arts, Terminal program may select the remainder of his electives from courses offered by the college in order to prepare for a vocation or to pursue a special interest.

FIRST YEAR		SECOND YEAR	
English 11, 12, 13—Freshman	9	English 21, 22, 23—Sophomore	9
History 11, 12, 13—Western Civilization	9	Physical Education	3
Physical Education 11, 12, 13	3	*Electives	36
Natural Science	10		
Mathematics 11, 12—Basic, or	6		
Mathematics 16—College Algebra	5		
*Electives	12		
TOTAL	48 or 49	TOTAL	48

* A student must elect 20 hours from at least three of the following departments: Foreign Language, Political Science, Economics, Fine Arts. Home Economics, Psychology, Sociology.

ONE YEAR PROGRAMS

CONCENTRATION—ENGINEERING SENIOR COLLEGE PREPARATORY

This program will satisfy degree requirements for the first year of most types of engineering but should be varied for certain degrees such as chemical, electrical, etc. The student should obtain a catalog from the senior college he plans to attend and check this program against the requirements. The courses required for the freshman year have been worked out in consultation with the Georgia Institute of Technology.

CURRICULUMS

27

Chemistry 14, 15 — General	12
English 11, 12, 13 — Freshman	9
Engineering 11, 12, 13 — Drawing	9
Engineering 26 — Plane Surveying	2
History 11, 12, 13—Western Civilization (or Modern Language)	9
Mathematics 16, 17, 18 — College Algebra, Trigonometry and Analytic Geometry	15
Physical Education 11, 12, 13	3
TOTAL	59

CONCENTRATION—STENOGRAPHIC

A student who has only year to spend in college may herein master some of the tools that will enable him to earn a livelihood.

Commerce 11a-b-c Typing	6
Commerce 12a-b-c Shorthand	15
Commerce 17 — Office Practice	5
Commerce 24 — Accounting	5
English 20 — Composition	5
English 28 — Public Speaking	5
Physical Education 11, 12, 13	3
Electives	5
TOTAL	49

CONCENTRATION—NURSING

Armstrong College offers the following courses in cooperation with the Warren A. Candler School of Nursing. With the permission of the instructor and the approval of the student's adviser, a student not enrolled in the School of Nursing may take any of the following courses:

Anatomy and Physiology 1n, 2n, 3n	9
Chemistry 1n	5
Sociology 1n	5
Physical Education 1n	1
Bacteriology 1n, 2n	6
Nutrition 1n	4
Psychology 1n	5
TOTAL	35

Course Descriptions

GENERAL

Armstrong College reserves the right to (1) withdraw any course for which less than ten students register, (2) limit the enrollment in any course or class section, (3) fix the time of meeting of all classes and sections, and (4) offer such additional courses as demand and staff personnel warrant.

No credit will be given in beginning courses in commerce and languages where the same or similar courses have been presented for admission from high school.

Where two or more courses are listed under one description, no credit for graduation will be given until the sequence is completed.

After each course, the first number listed is the number of hours of lecture; the second, the number of hours of laboratory and the third, the number of quarter hours of credit the course carries; e. g. (3-3-4) means 3 hours of class, 3 hours of laboratory, 4 quarter hours of credit.

A R T S (See Fine Arts)

BIOLOGY

*Anatomy and Physiology 1n-2n-3n** (2-2-3). Fall, Winter and Spring. Laboratory fee, \$2.50.

A three quarter course in human anatomy and physiology. The gross anatomy, some histology and physiology of the organ systems are presented in order to give the student an understanding of the human body as a basis for further studies in clinical nursing. The laboratory work includes some dissection of the lower vertebrates and elementary experiments in physiology.

Biology 14-A—General Zoology (3-4-5). Fall and Winter. Laboratory fee, \$3.50.

Biology 14-B—General Zoology (3-6-6). Fall and Winter. Laboratory fee, \$3.50.

*These courses are transferable to senior colleges toward a B. S. in Nursing.

Introduction to animal structures and function and a survey of the invertebrate phyla. Laboratory work on representative species of each phylum.

Biology 15-A—General Zoology (3-4-5). Winter and Spring. Laboratory fee, \$3.50. Prerequisite: Biology 14.

Biology 15-B—General Zoology (3-6-6). Winter and Spring. Laboratory fee, \$3.50. Prerequisite: Biology 14.

Study of vertebrate structure and function, using selected vertebrate material for laboratory dissection. Concludes with a study of the principles of Evolution and Genetics.

Biology 16-17—Human Biology (5-0-5). Winter and Spring.

A two quarter course for terminal students beginning with a survey of the basic biological principles and followed by a study of the structure and function of the human body. Principles of Evolution and Genetics will be discussed in the last quarter.

Biology 22—Invertebrate Zoology (3-6-6). Spring. Laboratory fee, \$5.00. Prerequisite: Biology 14 and 15.

A concentrated study of the structure and function of invertebrates including their economic relation to man. Field trips included for natural habitat study.

Biology 23—Comparative Vertebrate Anatomy (3-6-6). Fall. Laboratory fee, \$5.00. Prerequisite: Biology 14 and 15.

A study of the anatomy and evolution of the organ systems of the vertebrates. Laboratory work on *Squalus*, *Necturus* and the cat.

Bacteriology 1n-2n (2-2-3).* Winter and Spring. Laboratory fee, \$2.50.

An introduction to micro-organisms as living organisms and as pathogens. The structure, life history and public health importance of representative viruses, bacteria, molds, protozoa and helminthes are considered. The laboratory work includes the techniques of culturing bacteria and the study of the scientific basis of antiseptic and aseptic procedures.

Biology 124—Horticulture (2-0-2). Fall. (Not offered in 1952-53). Study of grasses, flowers, and shrubbery for home gardeners in Savannah area.

CHEMISTRY

Chemistry 1n (4-2-5). Fall. Laboratory fee, \$2.50.

The purpose of this course is to acquaint students with the principles of inorganic, organic and physiological chemistry with some special applications to nursing practice.

Chemistry 14—General Inorganic Chemistry (4-4-6). Fall and Winter. Laboratory fee, \$3.50.

In this course the students will study the chemistry of some important non-metallic elements including a systematic treatment of chemical principles and their applications.

Chemistry 15—General Inorganic (4-4-6). Winter and Spring. Laboratory fee, \$3.50. Prerequisite: Chemistry 14.

A continuation of Chemistry 14, including a general survey of the metallic elements.

Chemistry 24—Qualitative Inorganic Analysis (3-6-6). Spring. Laboratory fee, \$5.00. Prerequisite: Chemistry 15.

A study of the fundamental theories of qualitative analysis of common cations and anions by semi-micro methods.

Chemistry 25—Quantitative Inorganic Analysis (3-6-6). Winter. Laboratory fee, \$5.00. Prerequisite: Chemistry 24 or approval of the instructor.

A study of the fundamental theories and applications of quantitative analysis involving volumetric and gravimetric methods, with the emphasis placed on the volumetric methods.

Chemistry 26—Quantitative Inorganic Analysis (2-3-6). Offered whenever justified by demand. Laboratory fee, \$5.00. Prerequisite: Chemistry 25 or approval of the instructor.

In this course emphasis is placed on the laboratory applications of quantitative analysis involving some more advanced gravimetric methods and instrumental analysis.

COMMERCE

Commerce 11a-b—Beginning Typing (0-5-2). Fall and Winter. Laboratory fee, \$3.50.

This course consists of introductory instruction in the technical features and care of the machine, position, fingering, proper technique and mastery of the keyboard. An average speed of 40 words a minute is attained at the end of the second course.

Commerce 11c—Intermediate Typing (0-5-2). Spring. Laboratory fee, \$3.50. Prerequisite: Commerce 11a-b or equivalent.

A typewriting course in which emphasis is placed on speed building and accuracy. Special typing problems such as business letters, minutes, notices, stencil cutting and carbon copies are stressed.

Commerce 12a-b—Beginning Shorthand (5-0-5). Fall and Winter.

Complete theory of Gregg Shorthand in the manual. Additional reading and dictation given from the Speed Studies.

Commerce 12c—Intermediate Shorthand (5-0-5). Spring.

Dictation and transcription of new and studied material. Student is required to take dictation at the rate of eighty words a minute.

Commerce 13a—Burroughs Calculator and Comptometer (0-5-2). Fall. Laboratory fee, \$3.50.

The objective of this course is to build speed and accuracy in the operation of the Burroughs Calculator and Comptometer and a thorough review of business mathematics. This quarter is devoted to the operation of the four fundamentals in arithmetic on the calculator.

Commerce 13b—Burroughs Calculator and Comptometer (0-5-2). Winter. Laboratory fee, \$3.50.

The following business mathematics is reviewed and applied on the machine during this quarter: decimal equivalents, split division, invoicing over the fixed decimal, percentages, discounts, and chain discounts, costs, selling and rate of profit.

Commerce 13c—Burroughs Calculator and Comptometer (0-5-2). Spring. Laboratory fee, \$3.50.

The third quarter is a continuation of business problems on the

machine. The transactions covered are reciprocals figuring grain, cipher, division, prorating cost and expenses, gross and dozen in invoicing inventories.

Commerce 17—Office Practice (5-0-5). Spring.

Typical business office situations are duplicated as nearly as possible. Practical problems deal with typing, operation of the mimeograph, filing and office courtesy.

Commerce 21a—Advanced Typing (0-5-2). Fall. Laboratory fee, \$3.50. Prerequisite: Commerce 11c or equivalent.

Advanced typing is a course in the acquisition of speed and accuracy including various legal forms and papers, manuscripts and business papers.

Commerce 21b—A continuation of Commerce 21a (0-5-2). Winter. Laboratory fee, \$3.50.

Commerce 21c—A continuation of Commerce 21b (0-5-2). Spring. Laboratory fee, \$3.50. An average of 60 words a minute is attained.

Commerce 22a—Advanced Shorthand (5-0-5). Fall. Prerequisites: Commerce 12a, b, c.

A course in which the principles of Gregg Shorthand are applied in developing skill and accuracy in writing shorthand and in transcribing. The first half year is devoted to dictation of general business material; the second half, to dictation material applying to major vocations.

Commerce 22b—A continuation of Commerce 22a (5-0-5). Winter.

Commerce 22c—A continuation of Commerce 22b (5-0-5). Spring. A speed of 120 words a minute is required.

Commerce 23a—Advanced Calculator and Comptometer (0-5-2). Fall. Laboratory fee, \$3.50.

The next two quarters are devoted to the application of the machine and business mathematics to the following businesses: drugs, hardware, electrical, plumbing, contracting, wholesale paper, pay roll, packing house, creameries and dairies, laundries, steel and iron, department stores, banks, lumber, petroleum, railroads.

Commerce 23b—A continuation of Commerce 23a (0-5-2). Winter. Laboratory fee, \$3.50.

Commerce 23c—Advanced Calculator and Comptometer (0-5-2). Spring. Laboratory fee, \$3.50.

Speed, skill and accuracy in the operation of the machine are stressed in this last period.

Commerce 24—Principles of Accounting, Introductory (5-0-5).

An introduction to the fundamental principles and procedures of accounting, including a study of the journal, the ledger, accounting statements, controlling accounts, special journals and the accounting system,

Commerce 25—Principles of Accounting, Introductory (5-0-5). Winter. Prerequisite: Commerce 24.

An application of accounting principles to certain problems such as the proprietorship, the partnership, the corporation, departmental operations, manufacturing accounts and the analysis of accounting statements.

Commerce 26—Principles of Accounting, Intermediate (5-0-5). Spring. Prerequisite: Commerce 25.

Basic accounting theory with emphasis on the various forms of business organization, assets, liabilities and reserves.

Commerce 27—Business Law (5-0-5). Winter.

Contracts: offer and acceptance, consideration, performance, rights of third parties and discharge. Agency: creation of an agency, powers, liabilities of principal and agent. Negotiable instruments: elements of negotiability, endorsement, and transfer, liabilities of parties, discharge.

Commerce 28—Business Law (5-0-5). Spring. Prerequisite: Commerce 27.

Partnership: formation, powers, liabilities of partners, termination. Corporation: formation, powers, rights of security holders, types of securities. Sales: vesting of title, warrants, remedies.

Commerce 115—Business Correspondence (5-0-5). Fall.

A study of business correspondence, letters, information reports,

follow-up sales programs, statistical analysis and inter-office communications. Stress is placed on the mastery of fundamentals of clear writing.

Commerce 129—Cost Accounting (5-0-5). Spring. Pre-requisite: Commerce 125.

Methods of determining and distributing costs in manufacturing and other concerns, stressing the securing of unit costs under both the order and the process methods.

ECONOMICS

Economics 21—Principles of Economics (5-0-5). Fall and Summer.

A study of the principles behind the economic institutions of the present time and an examination of some of the economic problems in the modern world.

Economics 24—Problems of Economics (5-0-5). Spring. Prerequisite: Economics 21.

A study of economic problems based upon the principles studied in Economics 21.

Economics 130—Personnel Administration (5-0-5). Spring. Prerequisites: Elementary Psychology and Economics.

Through lectures, field trips, and conferences with executives, a study is made of the principles and practices in the field of the administration of human relations in industry. Emphasis is given to scientific techniques and devices in the development of a well-rounded personnel program.

ENGINEERING

Engineering 11—Engineering Drawing (0-6-3). Fall.

Topics of study include lettering, the use of the instruments, orthographic projection, auxiliary views, section, pictorial representations.

Engineering 12—Engineering Drawing (0-6-3). Winter. Prerequisite: Engineering 11.

Topics of study include sections, dimensions, limit dimensions, threads, and fastenings, shop processes, technical, sketching, working drawings, pencil tracing on paper, reproduction processes.

Engineering 13—Engineering Drawing (0-6-3). Spring. Prerequisite: Engineering 12.

Topics of study include technical sketching of piping and fittings, working drawings, ink tracing on cloth, working drawings from assemblies and assemblies from working drawings.

Engineering 26—Plane Surveying (1-3-2). Spring. Prerequisite: Mathematics 17.

The theory of practice in chaining, differential and profile leveling, traversing, topographic surveying, reduction and plotting of field notes and mapping.

ENGLISH

English 11—Freshman English (3-0-3). Fall and Spring.

A survey of Western Literature, in which books are read complete, rather than in selections; a review of grammar and practice in written English is also undertaken. English 11-12-13 integrates with History 11-12-13 for the entire Freshman year. The discussion method is consistently used throughout the year.

English 12—A continuation of English 11 (3-0-3). Fall and Winter.

English 13—A continuation of English 12 (3-0-3). Spring and Winter.

English 20—Grammar (5-0-5). Fall and Winter.

A general review of grammar, composition and vocabulary. The students will have practice in writing themes, making oral reports, and in writing business letters. Several books will be assigned for outside reading and discussion.

English 21—Sophomore English—A Survey of World Literature (3-0-3). Fall and Spring.

This course is designed to give the student a knowledge of the most important works of Shakespeare, Milton, Goethe, Keats, Whitman, Ibsen and selections from the Bible. The last third of the course will be devoted to the study of a number of modern American dramas, and modern British and American poetry.

English 22—A continuation of English 21 (3-0-3). Fall and Winter.

English 23—A continuation of English 22 (3-0-3). Winter and Spring.

English 24—An Introduction to Poetry (5-0-5). Winter (Not offered in 1953).

A study of the various types and forms of poetry with special emphasis on more recent poetry.

English 25—American Literature (5-0-5). Spring.

A survey of American Literature and culture. Each student is asked to select one particular period or area or author for concentration, making reports and writing papers in that phase of the work. The course is primarily conducted by reading and discussion.

English 26—Advanced Composition (5-0-5). Winter.

Advanced practice in composition of all sorts; criticism of themes in an effort to learn exposition, description in prose is attempted.

English 27—Reading Modern Drama (5-0-5). Spring.

Class reading and discussion of dramas. The plays will not be acted. The course is centered on appreciation of drama, diction, and reading ability.

English 28—Public Speaking (5-0-5). Winter and Spring.

Fundamental principles involved in group discussion and the preparation and delivery of original speeches for formal occasions. The physiology of speech is included.

English 111x—Freshman English (5-0-5). Fall, Spring and Summer.

This course covers a review of punctuation and the fundamentals of grammar, theme writing, and vocabulary building. Also the student reads and discusses selections from the works of the most prominent literary figures of the Western World.

English 112y—A continuation of English 111x (5-0-5). Winter and Summer.

Selections from the works of the following authors will be read:

Homer, Sophocles, Chaucer, Montaigne, Cellini, Voltaire, Chekov, Hardy as well as those of certain English Romantic poets.

English 121x—Sophomore English (5-0-5). Fall, Spring and Summer.

This course is designed to give the students a knowledge of the principal works of certain major writers. The student reads in some detail several hundred pages from the works of selected authors whose thought or style has been of world-wide significance. The last third of the course deals with modern trends in literature and thought. At intervals, students are asked to write papers, and emphasis is constantly placed on the improvement of the student's ability to express himself.

English 122y—A continuation of English 121x (5-0-5). Winter and Summer.

Selections from the works of the following authors will be read: Shakespeare, Milton, Goethe, Keats, Whitman, Ibsen, also selection from the Bible. The last quarter will be devoted to a consideration of representative works of contemporary writers in England and America.

FINE ARTS

Art 11—Creative Art (2-6-5). Spring.

Drawing, art principles and design with work in other media at the discretion of the instructor. Some application will be made to poster-making, lettering and everyday life needs.

Art 113—Ceramics (5-0-5). Each quarter. Lab fee, \$2.00.

A beginners course. Instruction is concerned with learning to handle clay, to form pottery and sculpture, and to decorate, glaze, and fire the pieces made.

Art 114—Advanced Ceramics (5-0-5). Each quarter. Lab fee, \$2.00

Emphasis is placed on making larger pieces, studying good forms suited to the nature of clay. Instruction in loading and firing the kiln.

Art 115—Drawing and Painting (5-0-5). Each quarter. Lab fee, \$2.00.

An elementary course in expressive pictorial composition, drawing

and color. Still life is offered with emphasis on composition, color and careful preliminary designs. An introduction to life drawing from the model in quick action sketches. Basic work and experimentation is encouraged in pencil, charcoal, brush and ink, crayon, tempera and oil. Special instruction for students desiring technical introduction to specific media during latter course sessions. Combined with the studio work, are discussions and slide reviews in history and appreciation of art.

Art 116—Intermediate Drawing and Painting (5-0-5). Each quarter. Laboratory fee, \$2.00.

Intermediate course in drawing and painting in a variety of media from models and imagination. Preparation for the development of finished compositions is stressed. Intermediate drawing from the model and memory leading to proficiency in handling the figure at rest or in action. Intermediate work in tempera, watercolor, oil or other selected media and the methods and techniques of painting. Studies in pictorial design and analysis of the work of old and modern masters.

Music 11—Elementary Theory and Sight Reading (5-0-5). Fall.

A course designed to teach the student to read music at sight and to understand the fundamental principles of music theory. Melodic dictation, melody writing and an introduction to elementary harmony are included.

Music 12—Theory and Harmony (5-0-5). Winter. Prerequisite: Music 11.

A continuation of Music 11, with emphasis on harmony, harmonic dictation, four-part harmonic writing.

Music 20—Music Appreciation (5-0-5). Spring.

A course designed to help the student understand and enjoy great music. Several works will be analyzed in detail as to form and structure. A text will be used for factual background; class time being concentrated on brief exposition of themes followed by listening to records. Music and composers from the Early Christian period up through the modern period will be studied.

FOREIGN LANGUAGES

FRENCH

French 11-12—Elementary French (5-0-5). Fall and Winter.

A course for beginners. The spoken language is studied as well as grammar and reading.

French 21—Intermediate French (5-0-5). Fall and Spring. Prerequisite: Two quarters of college French or two years of high school French.

Review grammar, oral practice, reading of selected texts.

French 22—Intermediate French, continued (5-0-5). Winter. Prerequisite: Three quarters of college French or three years of high school French.

Further reading of texts, oral and composition practice.

French 23—French Literature of the Nineteenth Century (5-0-5). Prerequisite: French 22.

A survey course. Reading of texts, written and oral reports on collateral reading.

French 24—French Classical Drama (5-0-5). Spring. Prerequisite: French 22 (Not offered in 1951-52).

Selected plays of Corneille, Moliere and Racine.

GERMAN

German 111—Elementary German (5-0-5). Fall.

Elements of the grammar, reading of simple texts and speaking. German records, films and photographs.

German 112—Intermediate German (5-0-5). Winter.

Grammar, more reading of selected texts and speaking. German records, films and photographs.

German 121—Advanced German (5-0-5). Spring.

Grammar review. Reading of short stories and German magazines. Composition and conversation. German records, films and photographs.

SPANISH

Spanish 11-12—Elementary (5-0-5). Fall and Winter.

These courses are for the purpose of providing the student with the elements of Spanish reading, composition and conversation.

Spanish 21—Intermediate Spanish (5-0-5). Fall and Spring.

This course covers grammar review, composition and selected prose readings.

Spanish 22—Advanced Spanish (5-0-5). Winter.

The purpose of this course is to increase the student's facility in Spanish composition and conversation.

Spanish 23—Commercial Spanish (5-0-5). Spring.

This course includes a study of business letters and forms used by the Spanish-speaking world and drills on the vocabulary of trade, travel and communications.

Spanish 24—Modern Prose Readings (5-0-5). Spring.

This course provides intensive reading of nineteenth and twentieth century Spanish and Latin American authors.

Spanish 25—Comprehensive Reading and Advanced Conversation (5-0-5). Spring.

This course is planned for the student who has had at least three quarters, and preferably four quarters, of Spanish. Stress is placed on comprehensive reading and conversation based on a selected text.

HISTORY

History 11—An Historical Introduction to Contemporary Civilization (3-0-3). Fall and Spring.

This course comprises a chronological survey of the main currents of political, social, religious and philosophical thought in Western Civilization from the period of the sixth century in Greece to the present time.

History 12—A continuation of History 11 (3-0-3). Fall, Winter.

History 13—A continuation of History 12 (3-0-3). Winter, Spring.

In addition to a chronological treatment of events studied in the above courses, the dynamics of Western Civilization are studied in works of the following authors: Plato, Lucretius, St. Augustine, Dante, Machiavelli, Descartes, Locke, Swift, Rousseau, Adam Smith, Ricardo, Malthus, Bentham, Carlyle, Marx, Shaw and Hersey.

History 11-12-13 are required of all students seeking an Associate degree from Armstrong College and are designed to be complementary with English 11-12-13.

History 22—Latin American (5-0-5). Spring.

This course surveys the colonial, revolutionary and recent developments in the countries of Hispanic America.

History 25—Recent European History (5-0-5). Spring.

This course is designed to provide an opportunity for detailed study of major national and international developments in European affairs from about 1870 to the present time. Special emphasis is devoted to the first World War and new developments in Europe following that war and the complex of world events which preceded the Second World War.

History 26—Recent American History (5-0-5). Fall and Winter.

This course has as its purpose the examination of the most important events and movements, political, social and cultural, in American life from about 1900 to the present time.

History 111x—An Historical Introduction to Contemporary Civilization (5-0-5). Fall, Spring, and Summer.

This course comprises a chronological survey of the main currents of political, social, religious and philosophical thought in Western Civilization from the period of the sixth century in Greece to the present time.

History 112y—A Continuation of History 111x (5-0-5). Winter and Summer.

In addition to a chronological treatment of events studied in the above courses, the dynamics of Western Civilization are studied in works of the following authors: Plato, Lucretius, St. Augustine, Dante, Machiavelli, Descartes, Locke, Swift, Rousseau, Adam Smith, Ricardo, Malthus, Bentham, Carlyle, Marx, Shaw and Hersey.

HOME ECONOMICS

Home Economics 10—Orientation (3-0-3). Fall

An introduction to home economics that gives the student some idea

of the vocational opportunities in this field so she will be able to take better advantage of her course of study in college.

Home Economics 1n—Nutrition and Food Preparation (4-2-5). Winter. Laboratory fee, \$4.00.

A study of the laws governing the food requirements of human beings for maintenance of growth, activity, reproduction, and lactation. Complete meals are prepared and served in each laboratory period.

Home Economics 11—Clothing (2-6-5). Fall and Spring. Laboratory fee, \$1.00.

Clothing to suit the individual needs of students and the application of art principles to dress are studied, together with problems in clothing construction in the laboratory periods.

Home Economics 12—Foods (3-4-5). Winter. Laboratory fee, \$7.00.

An introduction to the study of basic foods and family meal service. Complete meals are prepared and served in each laboratory period.

Home Economics 13—Catering (2-6-5). Spring. Laboratory fee, \$7.00. Prerequisite: Home Economics 12, or consent of instructor.

A more advanced approach to food preparation and selection. Foods are purchased and prepared for special occasions, such as formal dinners, luncheons, receptions and teas.

Home Economics 21—Home Furnishings (4-2-5). Fall. Laboratory fee, \$2.50.

A study of the home from the standpoint of family needs. Both the interior and the exterior planning of the home are considered with reference to such topics as wall treatments, floor coverings, household fabrics, art in the home, and lighting. Period styles of furniture from those of the ancient times to the present are compared.

Home Economics 22—Nutrition (5-0-5). Spring.

A consideration of the laws governing the food requirements of individuals for maintenance and growth of the body. The food nutrients and their contributions to the daily dietary are studied.

Home Economics 23—Advanced Clothing (2-6-5). Winter. Laboratory fee, \$1.00. Prerequisite: Home Economics 11 or consent of instructor.

Lectures cover garment selection and wardrobe planning and an introduction to the study of textiles. Laboratory periods are devoted to developing more advanced techniques in clothing construction.

MATHEMATICS

Mathematics 11, 12 and 13 is a terminal sequence, giving information about the genesis and development of mathematics.

Mathematics 11—Basic Mathematics (3-0-3). Fall and Spring.

An introduction to inductive and deductive methods; Euclidean and non-Euclidean systems; theory of arithmetic numbers, operations and measurements; and logarithms.

Mathematics 12—Basic Mathematics (3-0-3). Winter and Summer. Prerequisite: Mathematics 11.

A continuation of the course started in Mathematics 11; variation; interest and annuities; progressions of numbers; combinations and probability; functional relationships; and the binomial theorem.

Mathematics 13—Basic Mathematics (3-0-3). Spring and Fall. Prerequisite: Mathematics 12.

Advanced circular functions: equations, common curves; and statistical concepts are studied.

Mathematics 16—College Algebra (5-0-5). Fall and Spring. Prerequisite: Two years of high school algebra and one of plane geometry.

The course consists of functions and graphs, logarithms, linear and quadratic equations, the binomial theorem, complex numbers and the elementary theory of equations.

Mathematics 17—Trigonometry (5-0-5). Fall and Winter. Prerequisite: Mathematics 16.

A course covering the solution of the right and general triangle, the general solution of trigonometric equations, trigonometric identities, polar coordinates.

Mathematics 18—Plane Analytic Geometry (5-0-5). Winter and Spring. Prerequisite: Mathematics 17.

Analytic geometry of the point and the line, elementary conic sections, polar coordinates, transcendental curves and transformation of coordinates.

Mathematics 19—Mathematics of Finance (3-0-3). Spring. Prerequisite: Mathematics 16.

This course gives that background necessary for dealing with problems found in banking, real estate, financing, and accounting; the operation of the compound-interest law in business; simple problems concerning bonds, sinking funds, valuation of properties and annuities. Practical problems in these fields will be emphasized. The necessary aids and shortcuts and use of tables and logarithms will be studied.

Mathematics 21—Differential Calculus (5-0-5). Fall. Prerequisite: Mathematics 18.

Theory of differentiation, with application to tangents; maxima and minima, rates, curvature, velocity and acceleration, approximations, and Newton's method.

Mathematics 22—Integral Calculus (5-0-5). Winter. Prerequisite: Mathematics 21.

Formulas and methods of integration, single integration applied in areas and lengths; volumes and surfaces of revolution; centroids and moments of inertia; pressure and work.

Mathematics 99—Intermediate Algebra for College Students (5-0-5). Fall and Spring.

A study of the fundamental operations of algebra together with factoring, fractions, linear equations, exponents and radicals, quadratic equations, graphical methods, ratio and proportion, and functional notation.

MUSIC

(See Fine Arts)

PHILOSOPHY

Philosophy 111 - 112 - 113 (2-0-2). Fall, Winter and Spring.

An informal discussion of the thinking of certain Greek, Roman, Early Christian, Renaissance, and modern writers.

PHYSICAL EDUCATION

Physical Education 11—Conditioning Course (0-3-1). Fall.

Consists of calisthenics, stunts and tumbling, lifts and carries, road work, dual combatives, and simple games.

Physical Education 12—Team Sports (0-3-1). Winter.

Consists of basketball, soccer, speedball and volleyball.

Physical Education 13—Elementary Swimming (0-3-1). Spring.

Physical Education 14 — Officiating of Basketball for Women (1-3-2). Winter. Prerequisite: P. E. 12 or the equivalent.

Consists of a study of rules interpretation and actual experience in coaching and officiating in class and intramural games. Elective credit, except when substituted for P. E. 12.

Physical Education 20—First Aid and Safety Education (4-0-3). Winter.

The American Red Cross standard course in first aid is followed by a broad consideration of the opportunities for safety teaching in the school program.

Physical Education 21—Elementary Tennis (0-3-1). Fall.

Physical Education 22—Elementary Boxing for Men (0-3-1). Winter.

Physical Education 23—Senior Life Saving and Instructors' Course in Swimming for Men (2-3-2). Spring.

Physical Education 24—Boxing for Teachers (2-3-2). Winter.

Physical Education 25—Folk Rhythms (0-3-1). Fall.

Physical Education 26—Modern Dance for Women (0-3-1). Winter.

Physical Education 27 — Tap Dance for Beginners (0-3-1). Winter.

Physical Education 28—Adult Recreative Sports (0-3-1). Spring.

Consists of passive, semi-active, and active games and sports which have carry-over value for later life.

Physical Education 29—Folk Rhythms for Teachers (2-3-2). Fall.

This course consists of advanced training in folk dances and practice teaching of those dances.

Physical Education 30—Archery (0-3-1). Spring.

PHYSICS

Physics 10—Physics Survey (5-2-6). Fall. Laboratory fee, \$2.50. Prerequisite: high school algebra.

Designed for those students who wish to take one quarter of physics. Topics are selected from the major fields of physics, including modern physics and atomic energy, and are presented with sufficient intensity to show the logic and methods of physics. Lecture demonstration methods, discussion sessions and laboratory work.

Students interested in agriculture, home economics, pharmacy, education etc., are urged to consider this course.

Physics 11—General Physics (5-2-6). Winter. Laboratory fee, \$2.50. Prerequisite: a course in college mathematics or consent of the instructor.

Lectures, demonstrations, recitations and laboratory work covering the fields of mechanics and heat.

Physics 12—General Physics (5-2-6). Spring. Laboratory fee, \$2.50. Prerequisite: Physics 11 or consent of the instructor.

Lectures, demonstrations, recitations and laboratory work covering the fields of electricity, sound and light.

POLITICAL SCIENCE

Political Science 12—The Governments of Foreign Powers (5-0-5). Summer and Winter.

A study is made of the leading modern political theories, and attention is paid to the structure and powers of the major foreign governments.

Political Science 13—Government of the United States (5-0-5). Fall and Winter.

A study is made of the structure, theory, workings of the national

government in the United States and some of the major problems of the state and local government. The course shows how developmental practice has created our government as it stands today.

PSYCHOLOGY

Psychology 1n (5-0-5).

This course is an introduction to the study of human behavior with emphasis on the underlying principles of mental adjustments. The importance of the nurse's own personality is stressed.

Psychology 21—Introductory Psychology (5-0-5). Fall and Spring.

In this course human behavior is analyzed into its elementary functions of learning, feeling, thinking, maturation, motives and conflicts. Facts and principles from scientific research in psychology are used for understanding these functions and for measuring individual differences in ability, personality and development. Standardized experiments and the students own experiences are used to explore and apply the facts in this field.

Psychology 22—Social Psychology (5-0-5). Fall and Spring.

This course provides a study of the interactions between the individual and his social groups. Basic psychological processes of sensory-perceptual behavior, motivation, learning and thinking are studied as they affect an individual's adjustment to the social groups and institutions of our culture. Special attention is given to a study of group membership, leadership, development of attitudes and values, public opinion, propaganda, prejudice and other inter-group tensions.

Psychology 23—Child Psychology (5-0-5). Spring. Prerequisite: Psychology 21.

This course offers a study of the developmental factors operating in a child's experience which make for, or interfere with, effective expression of his capacities and adjustments to life situations. Sources are drawn from experimental research and from findings of analytic psychology. Direct observation of children individually and in a nursery is used as a source for class discussion.

Psychology 25—Psychology of Adjustment (5-0-5). Winter.

The class setting is used in this course for direct experience of the use of group discussion for self-understanding. This is supplemented by systematic written self-analysis.

Psychology 125—Psychology of Adjustment (5-0-5). Fall and Winter.

Emphasis on the self and self-analysis. Use is made of free discussion and psycho-drama techniques.

PUBLIC SPEAKING

(See English 28)

SOCIOLOGY

Sociology 1n—Elementary Sociology (5-0-5). Fall.

This course considers (1) the principles of sociology; (2) the nurse as a citizen of the community and as a professional worker; (3) the importance of the hospital among the social agencies in the community; (4) the patient in the hospital coming from the family and returning to the family.

Sociology 20—Introductory Sociology (5-0-5). Fall.

A study of the principles of social organizations in American culture based on scientific studies of groups, "races," population and of the institutionalized functions of society.

Sociology 21—Marriage and the Family (5-0-5). Winter and Spring.

This course introduces the family as an institution in various cultures as a setting for studying the institutional characteristics of the modern American family. This is followed by analysis of personality development basic to mature marital love, choice of a mate, marital adjustment, parenthood, family administration, and sociological trends for family stability, family disorganization and adjustment of the aging.

SPANISH

(See Foreign Languages)

SOCIAL SCIENCE

Social Science 4—Contemporary Georgia (5-0-5). Summer.

A study of current economic and social statistics as pertaining to agriculture, industry, and commerce; population trends, and governmental organization and problems.

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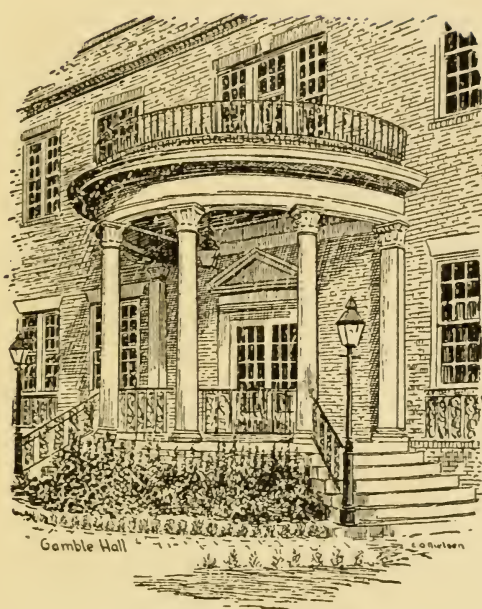
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1953-1954 BULLETIN



Ref
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Armstrong College of Savannah

SAVANNAH, GEORGIA

For Reference

Not to be taken from this room

1953 - 1954

SUMMER

FALL

WINTER

SPRING

BULLETIN OF
**Armstrong College
of Savannah**

A City Supported Junior College



SAVANNAH, GEORGIA

18344

Membership In

American Association of Junior Colleges

Southern Association of Colleges and Secondary Schools

Association of Georgia Colleges

Georgia Association of Junior Colleges

VOLUME XVIII

NUMBER 1

**ARMSTRONG COLLEGE
LIBRARY**

CALENDAR FOR 1953 - 1954

SUMMER SESSION — EVENING COLLEGE — 1953

FIRST TERM

Registration	June 15
Classes Begin	June 16
Last day to register for credit	June 22
Mid-term reports due	July 2
Examinations	July 23-24

SECOND TERM

Registration	July 27
Classes begin	July 28
Last day to register for credit	August 3
Mid-term reports due	August 13
Examinations	September 3-4

FALL QUARTER

Freshman testing and Sophomore counseling	September 14
Freshman orientation	September 15-19
Registration	September 21
Classes begin	September 22
Last day to register for credit	October 2
Mid-term reports due	October 23
Thanksgiving Holidays	November 26-29
Pre-registration	December 1-3
Examinations	December 9-11
Parade and Basketball Game	December 12
Homecoming reception and dance	December 14
Christmas Holidays	December 14 - January 4

WINTER QUARTER

Registration	January 4
Classes begin	January 5
Last day to register for credit	January 18
Mid-term reports due	February 8
Pre-registration	March 3-5
Examinations	March 15-17
Spring Solidays	March 18-21

SPRING QUARTER

Registration	March 22
Classes begin	March 23
Last day to register for credit	April 2
Mid-term reports due	April 23
Pre-registration, Summer and Fall Quarters	May 19-21
Examinations	May 31-June 2
Sophomore Party	June 4
Sophomore-Alumni Luncheon	June 5
Graduation	June 7

Administration

THE COLLEGE COMMISSION

HERSCHEL V. JENKINS	- - - - -	Chairman
WILLIAM MURPHEY	- - - - -	Vice-Chairman
WILLIAM A. EARLY, <i>Ex-officio</i>		G. PHILLIP MORGAN, SR.
OLIN F. FULMER, <i>Ex-officio</i>		MRS. WILLIAM F. ROBERTSON
JAMES P. HOULIHAN, <i>Ex-officio</i>		CHARLES S. SANFORD, <i>Ex-officio</i>
HERBERT L. KAYTON		W. KIRK SUTLIVE, <i>Ex-officio</i>

FRED WESSELS, JR.

ADMINISTRATIVE STAFF AND FACULTY

FOREMAN M. HAWES, A. B., M. S.		President
ARTHUR M. GIGNILLIAT, A. B., M. A.		Director of the Evening College
JULE C. ROSSITER, A. A.		Secretary and Treasurer
ANNA CONE SEYLE, A. B., University of Georgia		Registrar

*W. ORSON BEECHER, A. B., M. A., Emory University; M. A., University of Georgia

Instructor in History

WILLIAM L. BELL, B. S. in Education, Georgia Teachers College; Graduate Study, George Peabody College for Teachers
Basketball Coach and Instructor in Physical Education for Men

**STEPHEN P. BOND, Bachelor of Science and Architecture, Georgia Institute of Technology

Instructor in Engineering

ARTHUR W. CASPER, B. S., Beloit College; M. S., University of Wisconsin

Instructor in Mathematics and Physics

LAMAR W. DAVIS, B. S., M. S., University of South Carolina; Certified Public Accountant

Instructor in Business Administration

JOSEPH W. GREEN, A. B., Birmingham-Southern College; M. A., Vanderbilt University; Graduate study toward doctorate, Vanderbilt University

Instructor in English

*On leave of absence

**Part-time instructors

**HARRIETTE A. HAINES, Graduate of the Pape School, Draughon's Business College

Instructor in Typewriting

MILDRED LAIRD HAMILTON, A. L. A., Armstrong College of Savannah
Assistant to the Librarian

CRAWFORD G. JACKSON, JR., B. S., Emory University
Instructor in Biology

UNO KASK, B. S., University of Georgia; Graduate work at the University of Washington, Seattle, Washington
Instructor in Chemistry

JOSEPH I. KILLORIN, A. B., St. Johns College; M. A., Columbia University

Instructor in History

MARGARET SPENCER LUBS, B. M., Converse College; A. B., University of Georgia; M. A., Columbia University
Instructor in French and English

MURIEL BOYLES MCCALL, A. B., Florida State University; M. A., University of Georgia

Librarian

ELMO M. MCCRAY, JR., B. S. and M. S., University of Alabama
Instructor in Biology

HELEN HYDE MCINTIRE, B. A. and M. A., University of Mississippi
Instructor in History and Political Science

HELEN MEIGHEN, Taylor's Business College
Secretary to Director of Evening College

DOROTHY MORRIS, B. S., University of Tennessee
*Instructor in Physical Education for Women and
Acting Director of the Physical Education Program*

MARJORIE A. MOSLEY, Associate in Business and Commerce, Armstrong College of Savannah

Secretary to the President

*HINCKLEY A. MURPHY, B. A., Vanderbilt University; M. A., Columbia University

Instructor in English

*On leave of absence

**Part-time instructors

JOSEPHINE SIMMONS MUTHIER, B. S., Georgia Teachers College; M. S. in
H. E., University of Georgia
Instructor in Home Economics

JACK H. PADGETT, A. B., Wofford College; M. A., University of North
Carolina
Instructor in Mathematics

**J. HARRY PERSSE, B. F. A., University of Georgia; Master of Music,
Florida State University
Director of the Glee Club

JACK PORTER, A. B., George Peabody College for Teachers; M. A.,
University of North Carolina
Instructor in English and Director of the Armstrong College Masquers

ELIZABETH POUND, Georgia State College for Women, State Teachers
College
Director of the Student Center

ANNE LORE STELLJES, A. A., Armstrong College of Savannah
Clerical Assistant in Business Office

DOROTHY M. THOMPSON, A. M., Monmouth College; M. A., North-
western University; Certificate of Psychiatric Social Work,
Western Reserve University
Instructor in Psychology and Sociology

*CARMEN TORRIE, B. S., Concord College; M. S., University of
Tennessee
Director of Athletics and Instructor in Physical Education

**ANNE WILSON, B. M., Wesleyan Conservatory; Graduate Work, Cor-
nell University
Director of the Glee Club

GLADYS NICHOLS ZILCH, Diploma from the Gregg School of Chicago
Instructor in Commerce

ARMSTRONG EVENING COLLEGE INSTRUCTORS

JOHN AKINS, A. B., Mercer University
Instructor in Commerce

MARIAN ANDERSON, B. A., Texas State College for Women; M. A.,
Columbia University
Instructor in English

*On leave of absence

**Part-time instructors

- LOIS BRIGGS, B. A., State University of Iowa
Instructor in Drawing and Painting
- MARY CATERISAN, B. S., Georgia State College for Women; M. A.,
Emory University
Instructor in Commerce
- DAVID I. COOLEY, B. S., Duke University
Instructor in Mathematics
- MONIQUE C. DAVIS, B. A., University of Georgia
Instructor in Psychology and Sociology
- VERA DODGE, B. A., Denison University; M. A., Middlebury College
Instructor in Spanish
- FRANK H. EMERICK, A. B., University of Notre Dame; L. L. B., Boston
University
Instructor in History
- ZOLTAN J. FARKAS, Ph. D., University of Budapest, Hungary
Instructor in German and French
- MICHAEL J. GANNAM, B. A., University of Georgia; M. A., University
of North Carolina; L. L. B., University of Georgia
Instructor in Political Science
- DAVID B. HILLEY, B. S., Georgia Institute of Technology
Instructor in Economics
- ROSA B. HOPSON, A. B., Middlebury College; M. A., University of
Georgia; Certificate from Sorbonne University
Instructor in French and English
- VIRGINIA L. HUDSON, B. S. Education, Georgia State College for
Women; M. A., Duke University
Instructor in History
- WARREN R. JONES, B. C. E., Georgia Institute of Technology
Instructor in Engineering
- HARRIET DAVIS KILLORIN, A. B., University of North Carolina
Instructor in Psychology
- KENNETH F. KLINKERT, B. S., University of Wisconsin; B. S. W., in
Psychiatric Social Work, Tulane University
Instructor in Sociology
- JOHN R. LANGFORD, A. B., M. A., University of Kentucky
Instructor in History

JOSEPH H. MENDES, JR., B. S., University of Georgia; M. A., New York University

Instructor in Psychology

ADA MARVIN, A. B., Limestone; M. A., George Peabody College for Teachers

Instructor in Geography

JOSEPH C. MULLER, B. B. A., University of Georgia

Instructor in Commerce

CHRISTOPHER MURPHY, JR., Student, Beaux Arts Institute and The Art Students' League, New York

Instructor in Drawing and Painting

MARGARET A. MURPHY, B. A., University of Georgia; Advanced Study, Columbia University

Instructor in Ceramics

PAUL OLUND, A. B., Clark University; M. B. A., University of Michigan

Instructor in Economics

LAURA PARKER, B. S. in Education, Georgia Teachers College; M. A. in Education, University of Georgia

Instructor in English

HAROLD J. REEVES, B. S., Brown University; M. B. A., University of Pennsylvania

Instructor in Business Administration

RUTH RICH, M. A., University of Southern California

Instructor in Speech

ROSE M. ROFFMAN, A. B., University of Georgia; M. A., University of Pennsylvania

Instructor in Political Science

MARION F. SMITH, B. A., University of South Carolina; Advanced Study, University of South Carolina

Instructor in Psychology

MARY E. SUTTON, B. A., University of Georgia

Instructor in Economics

ROBERT J. SWORDS, B. E., Wisconsin State Teachers College; L. L. B., George Washington University Law School

Instructor in Speech and Commerce

LOUIS A. THOMPSON, M. B. A., L. L. B., University of Georgia

Instructor in Commerce and Business Administration

JAMES W. TOOTLE, A. B., Emory University

Instructor in Mathematics

JOHN VARNEDOE, A. B., Oglethorpe University; M. A., Mercer University

Instructor in Sociology



HERSCHEL V. JENKINS HALL



THOMAS GAMBLE HALL

General Information

HISTORY AND ORGANIZATION

Armstrong College of Savannah was founded on May 27, 1935, by the Mayor and Aldermen of the City of Savannah to meet a long-felt need for a junior college. The first college building was the magnificent home of the late George F. Armstrong, a gift to the city from his widow and his daughter. The former home, now called the Armstrong Building, is an imposing structure of Italian Renaissance architecture; inside, its spacious rooms and marble halls lend an air of dignity; while outside it is one of the most beautiful college buildings in the South.

Over the years, through private donation and public appropriation, the campus has been enlarged until now it includes four additional buildings: the Lane Building, a gift of the late Mills B. Lane, prominent banker; John W. Hunt Memorial Building in which are located the Student Center, the Home Economics Program, the Women's Lounge, the Dancing Studio, and the Music Room; Herschel V. Jenkins Hall, which contains the auditorium, theater for the Armstrong College Masquers, and classrooms; and Thomas Gamble Hall, site of science lecture rooms and laboratories.

Three of the buildings face forty-acre Forsyth Park, the most beautiful park in the city; the other two face Monterey Square, one of the carefully planned squares for which Savannah is famous.

Hodgson Hall, across from Forsyth Park on Whitaker Street, contains the college library as well as the Library of the Georgia Historical Society, to which Armstrong students have access.

The college is under the control of a commission of six members, appointed by the Mayor. In addition, the commission includes as ex-officio members the Mayor, the Chairman of the Chatham County Board of Education, the Chairman of the County Commissioners, the Superintendent of the Board of Education, and the President of the Savannah Chamber of Commerce.

Except for the war years, enrollment has shown a steady increase until the present student body numbers approximately four hundred. As need arises, the curriculum is enlarged and modified to meet new demands.

AIMS

The college seeks to serve the community by giving the men and women who attend its classes a better understanding of the world in which they live and the experience of adapting knowledge to meet the obligations and responsibilities of citizenship.

The student may complete one or more of the following specific objectives:

1. Receive additional liberal education to enrich one's life;
2. Complete the freshman and sophomore years of the four-year senior college program leading to the baccalaureate degree;
3. Finish two years of pre-professional work leading toward medicine, dentistry, law, home economics, the ministry and other professions;
4. Graduate from a semi-professional program, prepared to go into business or industry.

The college awards the degree of Associate in Arts to students completing an approved program.

ADMISSION TO THE COLLEGE

(For dates see calendar on page 2)

A student planning to enter Armstrong will obtain from the Registrar an "Application for Admission Card." The student will complete and return this form to the Registrar's office. **REQUEST THE HIGH SCHOOL PRINCIPAL, OR THE COLLEGE REGISTRAR (in the case of a transfer student), TO SEND A TRANSCRIPT OF CREDITS to the Registrar's Office, Armstrong College of Savannah, Savannah, Georgia.**

Having checked the student's records for compliance with the minimum requirements for admission, the Registrar's office will send a notice to the student that he has been admitted to the college, together with certain physical examination forms which must be completed and returned before the student can complete registration. The applicant will be notified of the dates of the freshman placement examinations. These tests do not affect a student's entering Armstrong, but will enable the faculty advisers to assist him in selecting a program of study upon entrance. **STUDENTS ARE REQUIRED TO TAKE THESE TEST MEASUREMENTS BEFORE REGISTRATION IS COMPLETED.**

REQUIREMENTS FOR ADMISSION

There are two methods of admission to Armstrong College: either by certificate or by examination.

BY CERTIFICATE

1. A candidate for admission to Armstrong College of Savannah by certificate must be a graduate of an accredited high school with at least fifteen units of credit.

2. No subject-matter units are prescribed. The high school program should be of such nature as to give satisfactory preparation for beginning college studies. Subjects which may be expected to contribute to this end are English composition, literature, natural science, history and other social studies, foreign languages, and mathematics. The right is reserved to reject any applicant whose high school program does not indicate adequate preparation for college work.

3. A record of high school credits earned by the applicant should be made out on the proper forms by an official of the high school and mailed directly to the Office of the Registrar. This certificate becomes the property of the college and cannot be returned to the applicant.

4. Three units in mathematics are a pre-requisite for admission to the freshman class in engineering.

BY EXAMINATION

Students beyond high school age, who do not meet the above requirements for admission by certificate, may take the General Educational Development tests (high school level). The student will be admitted to college on the basis of his score. These tests should be completed at least one week before registration. Additional information may be secured from the Registrar's office.

ADMISSION TO ADVANCED STANDING

Advanced credit will be allowed for work done in other institutions of proper rank and standing and in certain cases for training received in the Armed Services. Credit toward graduation from transfer institutions will be accepted if the student has a general average of "C" for all college work completed. To receive a diploma from Armstrong College of Savannah, a student must be in attendance taking a normal study load for two quarters, earn a "C" average and, in addition, must satisfy the requirements of a particular course of study. Adults (students over 21 years of age) may receive credit for certain college work on the basis of the General Educational Development tests (college level).

ADMISSION OF VETERANS

Armstrong College of Savannah will accept veterans who are not high school graduates if their official General Educational Development tests show scores that indicate the applicant's ability to do college work. A Certificate of Eligibility and Entitlement (VA Form No. 7-1993) is required of every veteran who attends this institution under Public Law 550 (Korean Bill), application for which may be completed at the Veterans Administration office in the Blun Building, Savannah, Georgia. Immediately upon receipt of certificate from the Veterans Administration, the student should contact the college business office regarding processing of certificate and future monthly reports.

All veterans attending Armstrong under Public Law 346 must present a certificate of eligibility the first time they register at Armstrong College. A veteran who has not obtained a certificate of eligibility prior to registration will be required to pay cash, which may be refunded by the Business Office upon receipt of the certificate. All veterans attending Armstrong under Public Law 550 should be prepared to pay tuition and fees at time of registration.

ADMISSION OF SPECIAL STUDENTS

Adults who are interested in enrolling in courses for their intrinsic value but who do not wish transfer credit may be enrolled as special students. Requirements pertaining to entrance examinations, physical examinations, and physical education do not apply to these students.

TRANSIENT STUDENTS

A student regularly enrolled in another college with the permission of his dean or adviser may register locally as a transient student. For such a student, entrance requirements are waived. A transcript record of his work here will be transferred to his mother institution upon completion of the term at the request of the student.

FEES

Tuition will be charged as follows:

For 12-17 quarter hours—\$55.00.

For each quarter hour *less than* 12 quarter hours—\$4.60.

For each quarter hour *in excess of* 17 quarter hours—\$4.60.

Anyone wishing to audit a non-laboratory course in the day program (but not receive college credit) may do so with permission of the instructor by paying a fee of \$10.00 per course.

A graduation fee of \$7.50 will be collected from each candidate for graduation.

Any student delinquent in the payment of any fee due the college will have grade reports and transcripts of records held up, and will not be allowed to re-register at the college for a new quarter until the delinquency has been removed.

Each student leaving Armstrong College is entitled to one official transcript of his college work. The charge for additional copies is \$1.00 each.

An activity fee of \$5.00 each quarter will be charged all day students who are registered for 10 quarter hours or more. This fee is not charged Evening College students unless they wish to participate in the regular activity program of the college.

Students taking laboratory work will be required to pay a fee for materials and equipment. This fee is indicated in the description of courses found under "Course Descriptions" elsewhere in this bulletin.

Any student who desires to take more than 18 quarter hours per quarter must have the approval of his adviser.

Refunds of fees and tuition will be made ONLY upon written application for withdrawal from school. No refunds will be made to students dropping a course. The schedule of refunds is given below:

REFUND SCHEDULE

	<i>Withdrawal Dates</i>	<i>Amount of Refunds</i>
First Session Summer Quarter, 1953	June 15, 16, 17	80% of fees paid
	June 18, 19, 20	60% of fees paid
	June 22, 23, 24	40% of fees paid
	June 25, 26, 27	20% of fees paid
Second Session Summer Quarter, 1953	July 27, 28, 29	80% of fees paid
	July 30, 31	60% of fees paid
	August 1	60% of fees paid
	August 3, 4, 5	40% of fees paid
	August 6, 7, 8	20% of fees paid
Fall Quarter, 1953	Sept. 21, 22, 23, 24	80% of fees paid
	25, 26	80% of fees paid
	Sept. 28, 29, 30	60% of fees paid
	Oct. 1, 2, 3	60% of fees paid
	Oct. 5, 6, 7, 8, 9, 10	40% of fees paid
	Oct. 12, 13, 14, 15, 16, 17	20% of fees paid
Winter Quarter, 1954	Jan. 4, 5, 6, 7, 8, 9	80% of fees paid
	Jan. 11, 12, 13, 14, 15, 16	60% of fees paid
	Jan. 18, 19, 20, 21, 22, 23	40% of fees paid
	Jan. 25, 26, 27, 28, 29, 30	20% of fees paid
	Mar. 22, 23, 24, 25, 26, 27	80% of fees paid
Spring Quarter, 1954	Mar. 29, 30, 31	60% of fees paid
	Apr. 1, 2, 3	60% of fees paid
	Apr. 5, 6, 7, 8, 9, 10	40% of fees paid
	Apr. 12, 13, 14, 15, 16, 17	20% of fees paid

ORIENTATION AND ADVISEMENT

The counseling and advisement service of Armstrong College of Savannah offers help in solving problems connected with the student's college program.

Students are urged to request help from their instructors when the difficulty is one concerned with the subject itself and having no complications. The areas with which the adviser is usually concerned are choice of vocation, the planning of work in college, study habits generally and personal adjustment to college life. Those problems which do not fit into these general categories either because of greater intensity or critical development are referable to community agencies outside the college if this is agreeable to the student and his parents or guardians.

During the year 1952-53 the academic advisement of students was distributed among the entire faculty so that each instructor carried the responsibility for a proportionate number of the entire student body registered in the daytime program. Advisement interviews were scheduled with each student at least once a quarter and appointments for these interviews were mailed from the office of the President. These interviews were designed to aid the student in planning his program of work in college. In addition to the advisement program, a program of college orientation was set up for freshman students beginning during Freshman Week and continuing throughout the year. Under this program the freshman class was divided into groups of from fifteen to twenty students to meet at 1:30 each Thursday throughout the year. Attendance was strongly urged and one quarter hour's credit was granted for the completion of the full year. During the year a similar program for Sophomores was instituted.

LIBRARY

Hodgson Hall houses not only the library of Armstrong College, but also that of the Georgia Historical Society. Since all books are on open shelves, students have immediate access to both collections. The reference room, with its many volumes of factual information, provides an excellent atmosphere for quiet concentration. The downstairs reading room, a popular and attractive meeting place for the students, contains fiction, biography, and books in foreign languages, as well as magazines and newspapers. In addition, the reading room houses a radio-phonograph, on which the students may hear their favorite records. Opening off this room is a large garden equipped with outdoor furniture, a pleasant place to study or relax.

The library's holdings consist of a good collection of standard reference books and fiction totaling nearly 12,000 volumes. There are

more than 100 periodical subscriptions, including five newspapers, four of which are dailies. Other resources of the library include the music collection of approximately 150 record albums and a new group of outstanding art prints.

In keeping with the needs of college students, Armstrong students are encouraged to use not only the college library, but also the Savannah Public Library, which has much material of interest, such as its large collection of fiction, government documents, and microfilm copies of newspapers. The main building is located on Bull Street, where a union catalog, listing the holdings of the Downtown Branch, the Waters Avenue Branch, and the Georgia Historical Society, is found.

MENTAL HEALTH CLINIC

The clinic is an integral part of the Savannah-Chatham Health Department, which has as its primary functions the development of a community-wide mental health program and the treatment of the emotional problems of children and adults.

The personnel at the clinic include the Director, who is a psychiatric social worker, another psychiatric social worker, and a psychologist, as well as a psychiatrist who serves as consultant.

The clinic is located on the ground floor in the Lane Building at 20 West Gaston Street.

ARMSTRONG EVENING COLLEGE

Education knows no age limit.

For those adults who wish to keep mentally alert; for those who are employed by day so must attend college by night; for those who wish to obtain a college degree in the evenings; for those who strive to master a skill or an art, to add a new field of interest in life; for any and all of these, Armstrong keeps its doors open well into the night.

College credit is given for courses taught in the evening. Students may become candidates for the degrees listed elsewhere in this bulletin under "Curriculums."

Students not seeking degrees may enroll in courses on a non-credit basis.

Physical examinations and placement tests are waived as requirements for registration. Physical education is not a degree requirement for adults in the evening college.

It is possible to enroll for three courses on Monday, Wednesday and Friday between the hours of 5:30 and 10:00 P. M. However,

students employed during the day are urged to limit their enrollment to one or two courses. Eighteen 5-hour courses or the equivalent, are required for graduation.

The dates for refunds in the case of withdrawal listed in this bulletin are applicable. When a student is enrolled in more than one course, no refund is allowed for dropping a single course. Refunds are made only in case of withdrawal from the college.

The cost of tuition, etc., is covered under "fees." Student activity fees are not assessed evening college students. Participation in college activities is invited.

Armstrong Evening College as successor to the Savannah branch of the University of Georgia Off-Campus Center, began operation in June, 1951. Since that time more than 250 students have enrolled each quarter. Veterans are now attending under Public Laws 346 (World War II) and 550 ("Korean" veterans).

Qualified Armed Services personnel, currently on active duty, are attending with their tuition largely defrayed by the military. This is handled by the unit education officer of the service affected.

Quarterly announcements of Evening College courses, instructors, etc., may be obtained by addressing requests to The Director, Armstrong Evening College, 447 Bull Street, Savannah, Georgia.

AUDIO-VISUAL INSTRUCTION

Certain classrooms of the college are equipped with screens for the showing of films, which are used by all of the departments. In the teaching of English, public speaking, foreign languages and music, visual aids are supplemented by recordings.

HOMECOMING AND OPEN HOUSE

Each year during the first part of December there is a Homecoming program for all alumni and students. This includes a parade, a reception, an intercollegiate basketball game and a dance. All alumni, students and their friends are invited to attend.

During the Spring quarter the college is open to the general public for inspection during its annual Open House. Exhibits are prepared by the students and faculty members in the various classes which are representative of the work done at Armstrong. All visitors are invited to tour the buildings and grounds and to attend a social hour arranged by the home economics students.

STUDENT ASSISTANTS

The college employs a number of student assistants each year. These students work in the library, science laboratories, business offices and with the faculty. Those who desire such employment should apply to the staff member who is in charge of the work in which he is interested or to the President of the college.

SCHOLARSHIPS

The scholarships which are available to students are listed below. Application blanks may be secured from the President's office in the Armstrong Building. Those who wish to apply for scholarships for the school year beginning in September should file an application in the President's office not later than July 15. All applicants are required to appear before an oral interview board during the month of August. Each applicant will be notified when to appear for this interview.

Commission Scholarships	8 for \$100.00 each
(This is a work scholarship)	
Arthur Lucas Scholarships	5 for \$100.00 each
Junior Chamber of Commerce	2 for \$100.00 each
American Business Club	2 for \$200.00 for 2 years
John Helm Maclean Memorial Scholarship	1 for \$100.00
Edward McGuire Gordon Scholarship	1 for \$200.00 (Men only)
Savannah Gas Co. Engineering	1 for \$100.00 (Men only)
Savannah Gas Co. Home Economics	2 for \$100.00 each
Friedman's Jewelers Scholarships	10 for \$100.00 each
Loyal Order of Moose	2 for \$180.00 each

PLACEMENT SERVICE

The college maintains a placement service for the benefit of employers and students. Anyone seeking part-time employment while in college, or full-time employment after leaving college, should place his name on file with the Business Office.

COMMENCEMENT EXERCISES

Commencement exercises are held each year in June. At this time the degree of Associate in Arts is awarded to those students who have met the requirements for graduation. At this time recognition is given to those students who qualify for scholastic honors. The Faculty and Graduates participate in full academic dress.

STUDENT CENTER

The college does not operate a boarding department. The Student Center in the Hunt Building is open throughout the day and provides light lunches at reasonable prices. The Center also provides recreational facilities and houses the Book Store.

STUDENT ACTIVITIES

The entire program of student activities at the college is designed to contribute to the development of the whole individual and to assist him in becoming an active and helpful member of the community. The college feels that students should take the responsibility for directing their own affairs. The senate is the governing student board of Armstrong College. This organization is made up of elected representatives of all student groups. It is the function of the Senate to coordinate, direct and control student organizations and activities at Armstrong.

ATHLETICS

Basketball is the only sport in which the college fields an inter-collegiate team. All other sports at the college are on an intramural basis.

PHYSICAL EDUCATION PROGRAM

The college requires all students to participate in a physical education program. The program includes intramural competition in several sports. Various activities, are available such as swimming, softball, archery, tap dancing, modern dancing and tumbling.

PUBLICATIONS

The college publishes the *Inkwell*, a newspaper; the *Mercury*, a magazine; and the *Geechee*, a yearbook. These afford students an opportunity to express their opinions on a wide variety of topics, to do creative writing and gain practice in other journalistic activities.

THE ARMSTRONG COLLEGE MASQUERS

The Armstrong College Masquers, with a charter membership of over seventy students, was organized in the Fall of 1950, after the Savannah Playhouse separated from Armstrong College and was reorganized as The Little Theatre, Inc.

The Masquer organization's goal is to furnish enjoyment and appreciation of the drama for both participants and spectators through a balanced presentation of popular and classic theatre.

Masquer membership is open to all students interested in any phase of the theatre: acting, designing, lighting, make-up, costuming, and other production skills.

An affiliate of the Masquers is the Armstrong Radio Workshop, formed to offer interested students an opportunity to develop techniques of radio broadcasting.

GLEE CLUB

The Armstrong Glee Club was organized in September, 1949. Its members are drawn from the student body and faculty. Besides giving two complete concerts at the college, one at Christmas and one in the Spring, the group has sung for many civic clubs in Savannah.

Rehearsals of one hour duration are held three times a week. Membership is open to all interested students.



ARMSTRONG COLLEGE OF SAVANNAH — ADMINISTRATION BUILDING

General Regulations

ADVISEMENT AND PLACEMENT TESTS

To help a student select a definite objective early in his college program, the Armstrong staff administers to each entering freshman a series of interest, aptitude, and achievement tests. In the Fall, these are given during Freshman Week and are scored prior to the student's interview with an adviser. On the basis of these objective measurements, the student's previous record, his interest and his family counsel, the student with the aid of his adviser decides on a program of study which will enable him to accomplish his purpose.

PHYSICAL EXAMINATIONS

Each day school student must submit a completed physical examination report on the forms furnished by the college before he can complete his registration. A chest X-ray is also required. On the basis of the examinations, the physical education director will adapt a program of training and recreation to individual requirements. This regulation is not applicable to students enrolled in the Evening College.

COURSE LOAD

The unit of work for a regular student is 16-17 quarter hours per quarter. A normal schedule of sixteen quarter hours presupposes that the average student will devote approximately forty-eight hours per week to his college classes and to his preparation therefor.

Except in engineering, permission to enroll for more than 17 quarter hours will be granted only to students who have a "B" average for the preceding quarter. The quarter just prior to graduation, a student may take an extra course which is necessary to meet requirements for graduation. No student will be allowed to register for more than 21 hours in any one quarter.

ADMISSION TO CLASS

Students will be admitted to class when the instructor is furnished an official class card indicating that he has completed his registration and paid his fees in the Business Office.

CONDUCT

Compliance with the regulations of the faculty and the Armstrong College Commission is assumed. The use on the campus of intoxicating beverages, gambling, and hazing are prohibited.

REPORTS AND GRADES

It is felt by Armstrong that students in college should be held accountable for their own scholarship. Accordingly, report cards, warnings of deficient scholarship and other such notices are not sent out to parents or guardians by the college except on request. Instead the students themselves receive these reports and are expected to contact their advisers whenever their work is unsatisfactory. Report cards are issued at the end of each quarter. Reports of failing grades are issued in the middle of each quarter. Each student has access to an adviser and in addition, the Registrar, and all instructors are available to help and advise any student seeking assistance.

Reports are based on the following system of grading:

A plus	Exceptional	4 honor points per quarter hour
A	Excellent	3 honor points per quarter hour
B	Good	2 honor points per quarter hour
C	Fair	1 honor point per quarter hour
D	Poor	No honor points per quarter hour
E	Incomplete	Incomplete must be removed before mid-term of the following quarter
F	Failure	Course must be repeated
W	Withdrew	Course must be repeated
W/F	Withdrew Failing	Course must be repeated

A student who receives an "E" (incomplete grade) should consult his instructor at once and arrange to complete the requirements of the course. An "E" grade which has not been removed by the middle of the succeeding quarter automatically becomes an "F." An "E" grade becomes an "F" if the course is repeated.

HONORS

Students who have been in attendance for three consecutive quarters taking a normal load and achieving an average grade of "B" or better with no grade below that of "C" will be placed on the Permanent Dean's List. This list is published each June in the commencement program.

Graduates who meet the requirements for the Permanent Dean's List and who are graduating with an average of three honor points per quarter hour, will be designated as graduating summa cum laude (with highest distinction). The designation cum laude (with distinction) will be bestowed upon those meeting the above requirements with an average of two honor points per quarter hour.

A valedictorian will be selected by the graduating class from the five students with the highest scholastic averages in the work completed

before the term in which the students graduate.

Students who make a grade of "B" or better in each course during any quarter will be placed on the Dean's Scholastic Attainment List.

ATTENDANCE

Students are expected to attend classes as scheduled. Any absence, whatsoever, from class work entails a loss to the student.

A student who has been absent from class for a valid reason should have the absence excused with a written statement to his instructor who will initial it. The student will then file this form in the Registrar's office. Excuses must be submitted within seven days from the date the student returns to school; otherwise the absence will not be excused.

A student who has unexcused absences equal in number to the times the class meets in one week, and has one additional unexcused absence, will be dropped from class. The instructors will notify the Registrar's office when a student should be dropped. The Registrar's office will notify the student. Grades assigned to those who have been dropped will either be W or W/F, depending on the status of the student at the time he is dropped from class.

Attendance at bi-weekly assemblies is required.

WITHDRAWALS

A formal withdrawal, presented to the President in writing, is a pre-requisite for honorable dismissal from, or re-entrance into, this institution. Any student planning to withdraw should immediately make such intentions known to the administration of the college in writing. This notice is required to receive any authorized refunds.

In order that a student may not receive a failing grade on his permanent record card in the Registrar's office, he should formally withdraw from any class which he discontinues by securing the instructor's written approval. This written approval should be filed in the Registrar's office.

REQUIREMENTS FOR GRADUATION

The requirements for graduation from Armstrong College of Savannah are listed below:

1. The student will complete a program of study listed under "CURRICULUMS" with an average grade of "C."
2. One-third of the work required for graduation will be completed at Armstrong College of Savannah.

3. Not more than one-fourth of the total work required for graduation will consist of correspondence course credit and credit for Armed Services Experience.

Candidates for graduation will make application in the Registrar's office two quarters prior to the expected date of graduation.

RECOMMENDATIONS

The recommendations issued by the college are based on the grades the student earns, his student activity record, and the opinions expressed by his instructors on a special student rating form.

The files of the Registrar's office which include all permanent records are consulted regularly by representatives of the Federal Bureau of Investigation, the Civil Service, the local Credit Bureau and other agencies having access to confidential records. A good college record is of vital importance to a student.

Curriculums

GENERAL

Before registration, the student should **PLAN A PROGRAM OF STUDY WITH AN ADVISER**. Even if a student knows what courses are required for graduation, he should have on record in the office of his adviser a copy of his program. In order for a student to make any changes in his planned program he must consult his adviser. The adviser and the Registrar will check a student's program and it will be approved two quarters prior to the expected date of graduation.

The Associate of Arts degree is conferred upon all students who complete at Armstrong College of Savannah one of the programs outlined in the catalog.

If a student plans to transfer to another institution either before or after graduation it is essential that he determine what courses must be completed at Armstrong in order to conform with the degree requirements of the institution to which he wishes to transfer.

THE CORE CURRICULUM

There are certain bodies of knowledge and certain skills indispensable to every college trained man and woman. The understanding of one's environment and man's struggle to adapt it to useful ends, the ability to communicate his thoughts and feelings; right group-attitudes and coordinated physical activity—these objectives are set up in the following courses required of all students desiring to graduate.

Freshman year: English 11-12-13; History 11-12-13; ten quarter hours of a laboratory science, and Physical Education 11-12-13.

Sophomore year: Sophomore English and three quarters of physical education. Students enrolled in certain terminal courses described below may substitute English 20 and English 28 for English 21x and 22y.

Students graduating in less than the six quarters of the regular session may reduce their physical education requirements accordingly. Physical education should be taken in the proper sequence and two courses should not be scheduled in any one quarter.

ASSOCIATE IN ARTS DEGREE

CONCENTRATION
BUSINESS ADMINISTRATION*

FIRST YEAR	
English 11, 12, 13—Freshman English	9
History 11, 12, 13—Western Civilization	9
Physical Education 11, 12, 13	3
Laboratory Science	10
Mathematics 16—College Algebra	5
Mathematics 19—Finance	3
Electives	9
TOTAL	48

SENIOR COLLEGE PREPARATORY

SECOND YEAR	
English 21x, 22y—Sophomore English	10
Physical Education	3
Commerce 24, 25—Accounting	10
Economics 21, 24—Principles and Problems	10
Political Science 13—Govt. of U. S.	5
Electives	10
TOTAL	48

* A student should consult the catalog of his prospective senior college for required subjects. Colleges differ as to what subjects are required for this course.

CONCENTRATION—BUSINESS ADMINISTRATION

TERMINAL

Many students will not continue their formal education after leaving Armstrong. To these students the college gives the opportunity to select those subjects which have a vocational value. Sufficient general education is included in the core curriculum to make this a well-rounded program.

FIRST YEAR	
English 11, 12, 13—Freshman English	9
History 11, 12, 13—Western Civilization	9
Physical Education 11, 12, 13	3
Laboratory Science	10
Economics 21, 24—Principles and Problems	10
Electives	7
TOTAL	48

SECOND YEAR	
English 21x, 22y—Sophomore English or English 20, 28	10
Physical Education	3
Commerce 24, 25—Accounting	10
Commerce 27—Business Law	5
Commerce Electives:	10
Typing	
Calculator & Comptometer	
Shorthand	
Commerce 26—Intermediate Acct.	
Commerce 28—Business Law	
Electives (other)	10
TOTAL	48

CONCENTRATION—SCIENCE

SENIOR COLLEGE PREPARATORY

This course of study is designed for those students who wish to major in the fields of Biology, Chemistry, Physics or Mathematics. At the time of registration the student must specify his major field, and it will be indicated at the time of graduation on the permanent record cards. The major of Biology will include the fields of Pre-Medicine, Pre-Dentistry, Pre-Pharmacy and Medical Technology.*

This program is so constructed that only slight variations are necessary to prepare a student for his particular major and it is the responsibility of each student to see that his program of study conforms to his senior college requirements. A minimum of 96 quarter hours is required for graduation.

FIRST YEAR

English 11, 12, 13—Freshman	
English	9
History 11, 12, 13—Western	
Civilization	9
Physical Education 11, 12, 13	3
Mathematics 16—College Algebra ..	5
Mathematics 17—Trigonometry.....	5
Electives & Major Requirements....	

SECOND YEAR

English 21x, 22y—Sophomore	
English	10
Physical Education	3
*Physics 11, 12—General.....	12
*French or German	10
Electives & Major Requirements....	

The above courses are required of all students (except as noted) enrolling in this concentration.

MAJOR REQUIREMENTS:

Major in Biology:

- Biology 14, 15—General Zoology
- Biology 23—Comparative Vertebrate Anatomy
- Chemistry 14, 15—General
- Chemistry 24—Qualitative Analysis
- Chemistry 25—Quantitative Analysis

Major in Mathematics:

- Mathematics 18—Plane Analytic Geometry
- Chemistry or Biology (10 hrs. minimum)

Major in Chemistry:

- Chemistry 14, 15—General Chemistry
- Chemistry 24—Qualitative Analysis
- Chemistry 25—Quantitative Analysis
- Mathematics 18—Plane Analytic Geometry

Major in Physics:

- Mathematics 18—Plane Analytic Geometry
- Chemistry or Biology (10 hrs. minimum)

*Students pursuing a terminal course in Medical Technology may substitute in certain cases, courses recommended by the American Society of Clinical Pathologists.

CONCENTRATION—COMMERCE SECRETARIAL

TERMINAL

This program is designed to meet the needs of those students who wish to qualify for clerical positions in business.

FIRST YEAR

English 11, 12, 13—Freshman	
English	9
History 11, 12, 13—Western	
Civilization	9
Physical Education 11, 12, 13.....	3
Laboratory Science	10
Commerce 11 a-b c—Typing	6
Commerce 12 a b c—Shorthand	15

TOTAL52

SECOND YEAR

Commerce 24—Accounting.....	5
*English 20—Composition	5
Commerce 17—Office Practice.....	5
Commerce 21a-b c—Typing.....	6
Commerce 22 a-b c—Shorthand.....	15
*English 28—Public Speaking	5
Physical Education	3

TOTAL44

*English 21x, 22y may be substituted for these English courses.

CONCENTRATION—HOME ECONOMICS SENIOR COLLEGE PREPARATORY

FIRST YEAR	SECOND YEAR
English 11, 12, 13—Freshman English 9	English 21x, 22y—Sophomore English 10
History 11, 12, 13—Western Civilization 9	Physical Education 3
Physical Education 11, 12, 13 3	Home Economics 12—Family Meal Planning and Serving 5
Home Economics 10a—Orientation: Careers 3	Home Economics 21—Home Planning and Decorating 5
Home Economics 10b—Orientation: Personal Development 3	Home Economics 24—Family Fundamentals 5
Home Economics 11—Clothing 5	Social Studies 10
Art 11 — Creative 5	Science Electives 6
Laboratory Science 10	Mathematics 10 or 16 5
TOTAL 47	TOTAL 49

CONCENTRATION—HOME ECONOMICS

TERMINAL

This course is designed to meet the needs of those women who plan to complete their college work at Armstrong. Sufficient electives are allowed to enable the student to select commerce subjects which have a vocational value or cultural subjects for worthy use of leisure time.

FIRST YEAR	SECOND YEAR
English 11, 12, 13—Freshman English 9	English 21x, 22y—Sophomore English 10
History 11, 12, 13—Western Civilization 9	Physical Education 3
Physical Education 3	Home Economics 21—Home Planning and Decorating 5
Laboratory Science 10	Home Economics 24—Family Fundamentals 5
(Human Biology included)	Home Economics 12—Family Meal Planning and Serving 5
Home Economics 10b—Orientation: Personal Development 3	Electives 20
Home Economics 11—Clothing 5	
Psychology 21—Introductory 5	
Elective 4	
TOTAL 48	TOTAL 48

CONCENTRATION—PHYSICAL EDUCATION SENIOR COLLEGE PREPARATORY

The Physical Education Department is qualified to provide the first two years of preparation for a major in the field of health and physical education for those students planning to enter the field of education or supervised recreation.

FIRST YEAR		SECOND YEAR	
English 11, 12, 13—Freshman English	9	English 21x, 22y—Sophomore English	10
History 11, 12, 13—Western		Physical Education	3
Civilization	9	Anatomy and Physiology	
Physical Education 11, 12, 13	3	In, 2n, 3n	9
**Mathematics 10		*Physical Education 23—Senior	
**Mathematics 16—College Algebra		Life Saving & Swimming for Men	2
**Mathematics 17—Trigonometry	10	*Physical Education 24—Boxing	
Physics or Chemistry	12	for Teachers	2
Home Economics 1n—Nutrition	4	Psychology 21—Introductory	5
Electives	3	Psychology 23—Child	5
		Sociology 21—Marriage and	
		the Family	5
		Electives	5
TOTAL	50	TOTAL	46

*Women will take Physical Education 29 and Physical Education 14.

**The student may take either Mathematics 10 and Mathematics 16 or Mathematics 16 and Mathematics 17.

CONCENTRATION—LIBERAL ARTS

SENIOR COLLEGE PREPARATORY

This program is recommended for candidates for an A. B. degree, pre-education, pre-law, pre-ministerial, journalism, and other pre-professional concentrations.

FIRST YEAR		SECOND YEAR	
English 11, 12, 13—Freshman English	9	English 21x, 22y—Sophomore English	10
History 11, 12, 13—Western		Physical Education	3
Civilization	9	Two of the following courses:	10
Physical Education 11, 12, 13	3	History 25—Recent European	
Laboratory Science	10	Political Science 13—Gov't of U. S.	
Mathematics 16—College Algebra	5	Psychology 21—Introductory	
Mathematics 17—Trigonometry	5	Sociology 20—Introductory	
*Foreign Language	10	Economics 21—Principles	
		*Science	10
		Electives	12
TOTAL	51	TOTAL	45

*A student applying for admission to a senior college which does not require the amount indicated of this subject may, with the approval of his adviser, substitute other courses required by the senior institution during his first two years.

CONCENTRATION—LIBERAL ARTS

TERMINAL

A student in the Liberal Arts, Terminal program may select the remainder of his electives from courses offered by the college in order to prepare for a vocation or to pursue a special interest.

FIRST YEAR		SECOND YEAR	
English 11, 12, 13—Freshman	English 9	English 21x 22y—Sophomore	English 10
History 11, 12, 13—Western		Physical Education	3
Civilization	9	*Electives	35
Physical Education 11, 12, 13	3		
Natural Science	10		
Mathematics 10 or 16	5		
*Electives	12		
TOTAL	48	TOTAL	48

*A student must elect 20 hours from at least three of the following departments: Foreign Language, Political Science, Economics, Fine Arts, Home Economics, Psychology, Sociology.

ONE YEAR PROGRAMS

CONCENTRATION—ENGINEERING

SENIOR COLLEGE PREPARATORY

This program will satisfy degree requirements for the first year of most types of engineering but should be varied for certain degrees such as chemical, electrical, etc. The student should obtain a catalog from the senior college he plans to attend and check this program against the requirements. The courses required for the freshman year have been worked out in consultation with the Georgia Institute of Technology.

Chemistry 14, 15 — General	12
English 11, 12, 13 — Freshman	9
Engineering 11, 12 — Drawing	6
Engineering 19—Descriptive Geometry	3
History 11, 12, 13 — Western Civilization (or Modern Language)	9
Mathematics 16, 17, 18 — College Algebra, Trigonometry and Analytic Geometry	15
Physical Education 11, 12, 13	3
TOTAL	57

CONCENTRATION—STENOGRAPHIC

A student who has only a year to spend in college may herein master some of the tools that will enable him to earn a livelihood.

Commerce 11a b c Typing	6
Commerce 12a-b-c Shorthand	15
Commerce 17 — Office Practice	5
Commerce 24 — Accounting	5
English 20 — Composition	5
English 28 — Public Speaking	5
Physical Education 11, 12, 13	3
Electives	5
TOTAL	49

CONCENTRATION—NURSING

Armstrong College offers the following courses in cooperation with the Warren A. Candler School of Nursing. With the permission of the instructor and the approval of the student's adviser, a student not enrolled in the School of Nursing may take any of the following courses:

Anatomy and Physiology 1n, 2n, 3n	9
Chemistry 1n	5
Sociology 1n	5
Physical Education 1n	1
Bacteriology 1n, 2n	6
Home Economics 1n	4
Psychology 1n	5
TOTAL	35

Course Descriptions

GENERAL

Armstrong College reserves the right to (1) withdraw any course for which less than ten students register, (2) limit the enrollment in any course or class section, (3) fix the time of meeting of all classes and sections, and (4) offer such additional courses as demand and staff personnel warrant.

No credit will be given in beginning courses in commerce and languages where the same or similar courses have been presented for admission from high school.

Where two or more courses are listed under one description, no credit for graduation will be given until the sequence is completed.

Courses which are offered in the day program are assigned a number which is less than 100. All Evening College courses are numbered above 100. In course descriptions this number appears in parentheses. After each course name, there are three numbers in parentheses. The first number listed is the number of hours of lecture; the second, the number of hours of laboratory and the third, the number of quarter hours of credit the course carries. For example: Biology 16-17 (116-117) Human Biology (5-0-5).

ARTS

(See Fine Arts)

BIOLOGY

*Anatomy and Physiology 1n-2n-3n** (2-2-3). Fall, Winter and Spring. Laboratory fee, \$2.50.

A three quarter course in human anatomy and physiology. The gross anatomy, some histology and physiology of the organ systems are presented in order to give the student an understanding of the human body as a basis for further studies in clinical nursing. The laboratory work includes some dissection of the lower vertebrates and elementary experiments in physiology.

Biology 14-A (114-A)—General Zoology (3-4-5). Fall and Winter. Laboratory fee, \$3.50.

Biology 14-B—General Zoology (3-6-6). Fall and Winter. Laboratory fee, \$3.50.

*These courses are transferrable to senior colleges toward a B. S. in Nursing.

Introduction to animal structures and function and a survey of the invertebrate phyla. Laboratory work on representative species of each phylum.

Biology 15-A (115-A)—General Zoology (3-4-5). Winter and Spring. Laboratory fee, \$3.50. Prerequisite: Biology 14.

Biology 15-B—General Zoology (3-6-6). Winter and Spring. Laboratory fee, \$3.50. Prerequisite: Biology 14.

Study of vertebrate structure and function, using selected vertebrate material for laboratory dissection. Concludes with a study of the principles of Evolution and Genetics.

Biology 16-17 (116-117)—Human Biology (5-0-5). Winter and Spring.

A two quarter course for terminal students beginning with a survey of the basic biological principles and followed by a study of the structure and function of the human body. Principles of Evolution and Genetics will be discussed in the last quarter.

Biology 22—Invertebrate Zoology (3-6-6). Spring. Laboratory fee, \$5.00. Prerequisite: Biology 14 and 15.

A concentrated study of the structure and function of invertebrates including their economic relation to man. Field trips included for natural habitat study.

Biology 23—Comparative Vertebrate Anatomy (3-6-6). Fall. Laboratory fee, \$5.00. Prerequisite: Biology 14 and 15.

A study of the anatomy and evolution of the organ systems of the vertebrates. Laboratory work on *Squalus*, *Necturus* and the cat.

Bacteriology 1n-2n (2-2-3).* Winter and Spring. Laboratory fee, \$2.50.

An introduction to micro-organisms as living organisms and as pathogens. The structure, life history and public health importance of representative viruses, bacteria, molds, protozoa and helminthes are considered. The laboratory work includes the techniques of culturing bacteria and the study of the scientific basis of antiseptic and aseptic procedures.

CHEMISTRY

Chemistry 1n—Chemistry for Nurses (4-2-5). Fall. Laboratory fee, \$2.50. Laboratory breakage, \$2.50.**

*These Courses are transferable to senior colleges toward a B. S. degree in nursing.

**Refundable at the end of each quarter if no items have been lost or damaged.

Principles of inorganic, organic and physiological chemistry with some special applications to nursing practice.

Chemistry 14 (114)—General Inorganic (5-3-6). Winter. Laboratory fee, \$3.50. Laboratory breakage fee, \$2.50*.

The chemistry of some important metallic and non-metallic elements including a systematic treatment of chemical principles and their applications. Chemistry 14 and 15 are identical to Chemistry 16, 17, and 18.

Chemistry 15 (115)—General Inorganic (5-3-6). Spring. Laboratory fee, \$3.50. Laboratory breakage fee, \$2.50.* Prerequisite: Chemistry 14 or its equivalent.

Continuation of Chemistry 14.

Chemistry 16—General Inorganic (3-3-4). Fall. Laboratory fee, \$2.50. Laboratory breakage fee, \$2.50.*

The chemistry of some important metallic and non-metallic elements including a systematic treatment of chemical principles and their applications.

Chemistry 17—General Inorganic (3-3-4). Winter. Laboratory fee, \$2.50. Laboratory breakage fee, \$2.50.* Prerequisite: Chemistry 16.

Continuation of Chemistry 16.

Chemistry 18—General Inorganic (3-3-4). Spring. Laboratory fee, \$2.50. Laboratory breakage fee, \$2.50.* Prerequisite: Chemistry 17 or its equivalent.

A continuation of Chemistry 16 and 17.

Chemistry 24—Qualitative Inorganic Analysis (3-6-6). Fall. Laboratory fee, \$5.00. Laboratory breakage fee, \$3.00.* Prerequisite: Chemistry 15, 18 or its equivalent.

A study of the fundamental theories of qualitative analysis of common cations and anions by semi-micro methods.

Chemistry 25 a-b—Quantitative Inorganic Analysis (2-3-3). Winter. Laboratory fee, \$3.00. Laboratory breakage fee, \$3.00.* Prerequisite: Chemistry 24 or approval of the instructor.

A study of the fundamental theories and applications of quantitative analysis involving volumetric and gravimetric methods with the emphasis placed on the volumetric methods. No credit is given for this course before completion of Chemistry 25b.

*Refundable at the end of each quarter if no items have been lost or damaged.

COMMERCE

Commerce 11a-b (111 a-b)—Beginning Typing (0-5-2). Fall and Winter. Laboratory fee, \$3.50.

This course consists of introductory instruction in the technical features and care of the machine, position, fingering, proper technique and mastery of the keyboard. An average speed of 40 words a minute is attained at the end of the second course.

Commerce 11c (111c)—Intermediate Typing (0-5-2). Spring. Laboratory fee, \$3.50. Prerequisite: Commerce 11a-b or equivalent.

A typewriting course in which emphasis is placed on speed building and accuracy. Special typing problems such as business letters, minutes, notices, stencil cutting and carbon copies are stressed.

Commerce 12a-b (112a-b)—Beginning Shorthand (5-0-5). Fall and Winter.

Complete theory of Gregg Shorthand in the manual. Additional reading and dictation given from the Speed Studies.

Commerce 12c (112c)—Intermediate Shorthand (5-0-5). Spring.

Dictation and transcription of new and studied material. Student is required to take dictation at the rate of eighty words a minute.

Commerce 13a—Burroughs Calculator and Comptometer (0-5-2). Fall. Laboratory fee, \$3.50.

The objective of this course is to build speed and accuracy in the operation of the Burroughs Calculator and Comptometer and a thorough review of business mathematics. This quarter is devoted to the operation of the four fundamentals in arithmetic on the calculator.

Commerce 13b—Burroughs Calculator and Comptometer (0-5-2). Winter. Laboratory fee, \$3.50.

The following business mathematics is reviewed and applied on the machine during this quarter: decimal equivalents, split division, invoicing over the fixed decimal, percentages, discounts, and chain discounts, costs, selling and rate of profit.

Commerce 13c—Burroughs Calculator and Comptometer (0-5-2). Spring. Laboratory fee, \$3.50.

The third quarter is a continuation of business problems on the machine. The transactions covered are reciprocals figuring grain, cipher, division, prorating cost and expenses, gross and dozen in invoicing inventories.

Commerce 17—Office Practice (5-0-5). Spring.

Typical business office situations are duplicated as nearly as possible. Practical problems deal with typing, operation of the mimeograph, filing and office courtesies.

Commerce 21a—Advanced Typing (0-5-2). Fall. Laboratory fee, \$3.50. Prerequisite: Commerce 11c or equivalent.

Advanced typing is a course in the acquisition of speed and accuracy including various legal forms and papers, manuscripts and business papers.

Commerce 21b—A continuation of Commerce 21a (0-5-2). Winter. Laboratory fee, \$3.50.

Commerce 21c—A continuation of Commerce 21b (0-5-2). Spring. Laboratory fee, \$3.50. An average of 60 words a minute is attained.

Commerce 22a—Advanced Shorthand (5-0-5). Fall. Prerequisites: Commerce 12a, b, c.

A course in which the principles of Gregg Shorthand are applied in developing skill and accuracy in writing shorthand and in transcribing. The first half year is devoted to dictation of general business material; the second half, to dictation material applying to major vocations.

Commerce 22b—A continuation of Commerce 22a (5-0-5). Winter.

Commerce 22c—A continuation of Commerce 22b (5-0-5). Spring. A speed of 120 words a minute is required.

Commerce 23a—Advanced Calculator and Comptometer (0-5-2). Fall. Laboratory fee, \$3.50.

The next two quarters are devoted to the application of the machine and business mathematics to the following businesses: drugs, hardware, electrical, plumbing, contracting, wholesale paper, pay roll, packing house, creameries and dairies, laundries, steel and iron, department stores, banks, lumber, petroleum, railroads.

Commerce 23b—A continuation of Commerce 23a (0-5-2). Winter. Laboratory fee, \$3.50.

Commerce 23c—Advanced Calculator and Comptometer (0-5-2). Spring. Laboratory fee, \$3.50.

Speed, skill and accuracy in the operation of the machine are stressed in this last period.

Commerce 24 (124)—Principles of Accounting, Introductory (5-0-5).

An introduction to the fundamental principles and procedures of accounting, including a study of the journal, the ledger, accounting statements, controlling accounts, special journals and the accounting system.

Commerce 25 (125)—Principles of Accounting, Introductory (5-0-5). Winter. Prerequisite: Commerce 24.

An application of accounting principles to certain problems such as the proprietorship, the partnership, the corporation, departmental operations, manufacturing accounts and the analysis of accounting statements.

Commerce 26—Principles of Accounting, Intermediate (5-0-5). Spring. Prerequisite: Commerce 25.

Basic accounting theory with emphasis on the various forms of business organization, assets, liabilities and reserves.

Commerce 27 (127)—Business Law (5-0-5). Winter.

Contracts: offer and acceptance, consideration, performance, rights of third parties and discharge. Agency: creation of an agency, liabilities of principal and agent. Negotiable instruments: elements of negotiability, endorsement and transfer, liabilities of parties, discharge.

Commerce 28 (128)—Business Law (5-0-5). Spring. Prerequisite: Commerce 27.

Partnership: formation, powers, liabilities of partners, termination. Corporation: formation, powers, rights of security holders, types of securities. Sales: vesting of title, warrants, remedies.

Commerce 115—Business Correspondence (5-0-5). Fall.

A study of business correspondence, letters, information reports, follow-up sales programs, statistical analysis and inter-office communications. Stress is placed on the mastery of fundamentals of clear writing.

Commerce 129—Cost Accounting (5-0-5). Spring. Prerequisite: Commerce 125.

Methods of determining and distributing costs in manufacturing and other concerns, stressing the securing of unit costs under both the order and the process methods.

Commerce 131—Retail Advertising and Sales Promotion (5-0-5).

A course in retail advertising and sales promotion basically concerned with selling in the retail fields—emphasizing the psychology of advertising as a branch of sales. The course explores the various

media and culminates with direct sales approaches. Primarily an advertising course, it can be easily tailored to meet the needs of the average salesman.

ECONOMICS

Economics 21 (121)—*Principles of Economics* (5-0-5). Fall and Summer.

A study of the principles behind the economic institutions of the present time and an examination of some of the economic problems in the modern world.

Economics 24 (124)—*Problems of Economics* (5-0-5). Spring. Prerequisite: Economics 21.

A study of economic problems based upon the principles studied in Economics 21.

Economics 130—*Personnel Administration* (5-0-5). Spring. Prerequisites: Elementary Psychology and Economics.

Through lectures, field trips, and conferences with executives, a study is made of the principles and practices in the field of the administration of human relations in industry. Emphasis is given to scientific techniques and devices in the development of a well-rounded personnel program.

ENGINEERING

Engineering 11 (111)—*Engineering Drawing* (0-6-3). Fall.

Topics of study include lettering; the use of the instruments; orthographic projection; auxiliary views; sections and conventions.

Engineering 12 (112)—*Engineering Drawing* (0-6-3). Winter. Prerequisite: Engineering 11.

Topics of study include drawing conventions; dimensions; pictorial representation; threads and fastenings; shop processes; technical sketching; working drawings; pencil tracing on paper, reproduction processes.

Engineering 13 (113)—*Engineering Drawing* (0-6-3). Spring. Prerequisite: Engineering 12.

Topics of study include technical sketching of piping and fittings; working drawings; ink tracing on cloth; working drawings from assemblies and assemblies from working drawings.

Engineering 19—Applied Descriptive Geometry (0-6-3). Spring. Prerequisite: Engineering 12.

Topics of study include the solution of problems involving points, lines, and planes by use of auxiliary views; the solution of problems involving points, lines, and planes by revolution methods; simple intersections; developments of surfaces; an introduction to warped surfaces. Practical applications are emphasized.

Engineering 26—Plane Surveying (1-3-2). Spring. Prerequisite: Mathematics 17. (Not offered in 1953-54).

The theory of practice in chaining, differential and profile leveling, traversing, topographic surveying, reduction and plotting of field notes and mapping.

ENGLISH

English 11 (111)—Freshman English (3-0-3). Fall and Spring.

A survey of Western Literature, in which books are read complete, rather than in selections; a review of grammar and practice in written English is also undertaken. English 11-12-13 integrates with History 11-12-13 for the entire Freshman year. The discussion method is consistently used throughout the year.

English 12 (112)—A continuation of English 11 (3-0-3). Fall and Winter.

English 13 (113)—A continuation of English 12 (3-0-3). Spring and Winter.

English 20—Grammar and Composition (5-0-5). Fall.

A general review of grammar, composition and vocabulary. The students will have practice in writing themes, making oral reports, and in writing business letters. Several books will be assigned for outside reading and discussion.

English 21—Sophomore English—A Survey of World Literature (3-0-3). (Not offered 1953-1954).

A study is made of the principal works of certain major writers, such as Shakespeare, Goethe, Ibsen and poets of the nineteenth century. The last third of the course is devoted to the study of a number of modern American dramas, and modern British and American poetry.

English 22—A continuation of English 21 (3-0-3). (Not offered 1953-1954).

English 23—A continuation of English 22 (3-0-3). (Not offered 1953-1954).

English 21x (121x)—Sophomore English—A Survey of World Literature (5-0-5). Fall and Winter.

This course is designed to give the students a knowledge of the principal works of certain major writers, such as Shakespeare, Goethe, Ibsen and poets of the nineteenth century. The last part of the course is devoted to the study of a number of modern American dramas, and modern British and American poetry.

English 22y (122y)—A continuation of English 21x (5-0-5). Winter and Spring.

English 24—An Introduction to Poetry (5-0-5). Spring.

A study of the various types and forms of poetry with special emphasis on more recent poetry.

English 25—American Literature (5-0-5). Fall.

A survey of American Literature and culture. Each student is asked to select one particular period or area or author for concentration, making reports and writing papers in that phase of the work. The course is primarily conducted by reading and discussion.

English 26—Advanced Composition (5-0-5). Winter.

Advanced practice in composition of all sorts; criticism of themes in an effort to learn exposition; description in prose is attempted. Creative writing is encouraged.

English 27—Reading Modern Drama (5-0-5). Winter.

Class reading and discussion of dramas. The plays will not be acted. The course is centered on appreciation of drama, diction, and reading ability.

English 28 (128)—Public Speaking (5-0-5). Spring.

Fundamental principles involved in group discussion and the preparation and delivery of original speeches for formal occasions. The physiology of speech is included.

English 111x—Freshman English (5-0-5). Fall, Spring and Summer. (Not offered 1953-1954).

This course covers a review of punctuation and the fundamentals of grammar, theme writing, and vocabulary building. Also the student reads and discusses selections from the works of the most prominent literary figures of the Western World.

English 112y—A continuation of English 111x (5-0-5). Winter and Summer. (Not offered in 1953-1954).

Selections from the works of the following authors will be read: Homer, Sophocles, Chaucer, Montaigne, Cellini, Voltaire, Chekov, Hardy as well as those of certain English Romantic poets.

FINE ARTS

Art 11—Creative Art (2-6-5). Spring.

Drawing, art principles and design with work in other media at the discretion of the instructor. Some application will be made to poster-making, lettering and everyday life needs.

Art 113—Ceramics (5-0-5). Each quarter. Lab fee, \$2.00.

A beginners course. Instruction is concerned with learning to handle clay, to form pottery and sculpture, and to decorate, glaze and fire the pieces made.

Art 114—Advanced Ceramics (5-0-5). Each quarter. Lab fee, \$2.00.

Emphasis is placed on making larger pieces, studying good forms suited to the nature of clay. Instruction in loading and firing the kiln.

Art 115—Drawing and Painting (5-0-5). Laboratory fee, \$2.00.

A course in the elements of pictorial composition, drawing and color. Basic work and experimentation will be conducted from still life, natural forms, and living models. Combined with the studio work will be discussions and reviews in history and appreciation of art.

During latter course sessions, efforts will be made to provide special instruction to students desiring particular information on techniques and methods.

Art 116—Drawing and Painting (5-0-5). Laboratory fee, \$2.00.

A continuation of Art 115.

Music 11—Elementary Theory and Sight Reading (5-0-5). Fall. (Not offered 1953-1954).

A course designed to teach the student to read music at sight and to understand the fundamental principles of music theory. Melodic dictation, melody writing and an introduction to elementary harmony are included.

Music 12—Theory and Harmony (5-0-5). Winter. Prerequisite: Music 11. (Not offered 1953-1954).

A continuation of Music 11, with emphasis on harmony, harmonic dictation, four-part harmonic writing.

Music 20—Music Appreciation (5-0-5). Spring.

A course designed to help the student understand and enjoy great music. Several works will be analyzed in detail as to form and structure. A text will be used for factual background; class time being concentrated on brief exposition of themes followed by listening to records. Music and composers from the Early Christian period up through the modern period will be studied.

Music 115—Appreciation of Music (2-0-2).

A course designed for the musically untrained who wish an intelligent understanding of the arts of music. Lectures, discussions and recorded listening sessions comprise the course.

Music 116—Appreciation of Music (2-0-2).

A continuation of Music 115.

Music 117—Appreciation of Music (2-0-2).

A continuation of Music 116.

Music 121—Class Voice (2-0-2).

Group instruction in fundamentals of voice production, articulation, diction, breath control, physical and mental poise, applied in the study of songs.

Music 122—Class Voice (2-0-2).

A continuation of Music 121.

Music 123—Class Voice (2-0-2).

A continuation of Music 122.

Music 124—Class Piano (2-0-2).

Group instruction in fundamentals of piano-playing with emphasis on practical application. The study of piano material appropriate to the level of the individual student.

Music 125—Class Piano (2-0-2).

A continuation of Music 124.

Music 126—Class Piano (2-0-2).

A continuation of Music 125.

FOREIGN LANGUAGES

FRENCH

French 11-12 (111-112)—Elementary French (5-0-5). Fall and Winter.

A course for beginners. The spoken language is studied as well as grammar and reading.

French 21—Intermediate French (5-0-5). Fall and Spring. Prerequisite: Two quarters of college French or two years of high school French.

Review grammar, oral practice, reading of selected texts.

French 22—Intermediate French, continued (5-0-5). Winter. Prerequisite: Three quarters of college French or three years of high school French.

Further reading of texts, oral and composition practice.

French 23—French Literature of the Nineteenth Century (5-0-5). Prerequisite: French 22. (Not offered in 1953-1954).

A survey course. Reading of texts, written and oral reports on collateral reading.

French 24—French Classical Drama (5-0-5). Spring. Prerequisite: French 22.

Selected plays of Corneille, Moliere and Racine.

GERMAN

German 111—Elementary German (5-0-5). Fall.

Elements of the grammar, reading of simple texts and speaking. German records, films and photographs.

German 112—Intermediate German (5-0-5). Winter.

Grammar, more reading of selected texts and speaking. German records, films and photographs.

German 121—Advanced German (5-0-5). Spring.

Grammar review. Reading of short stories and German magazines. Composition and conversation. German records, films and photographs.

SPANISH

Spanish 11-12—Elementary (5-0-5). Fall and Winter.

These courses are for the purpose of providing the student with the elements of Spanish reading, composition and conversation.

Spanish 21—Intermediate Spanish (5-0-5). Fall and Spring.

This course gives the student an opportunity to review the elements of Spanish grammar and to delve into the fine points of the language.

Spanish 22—Advanced Spanish (5-0-5). Winter.

The purpose of this course is to increase the student's facility in Spanish composition and conversation through selected reading.

Spanish 23—Commercial Spanish (5-0-5). Spring.

This course includes a study of business letters and forms used by the Spanish-speaking world and drills on the vocabulary of trade, travel and communications.

Spanish 24—Modern Prose Readings (5-0-5). Spring.

Intensive reading of nineteenth and twentieth century Spanish and Latin American authors comprise this course.

Spanish 25—Comprehensive Reading and Advanced Conversation (5-0-5). Spring.

This course is planned for the student who has had at least three quarters, and preferably four quarters, of Spanish. Stress is placed on comprehensive reading and conversation based on a selected text.

HISTORY

History 11 (111)—An Historical Introduction to Contemporary Civilization (3-0-3). Fall and Spring.

This course comprises a chronological survey of the main currents of political, social, religious and philosophical activity in Western Civilization from the period of the sixth century in Greece to the present time.

History 12 (112)—A continuation of History 11 (3-0-3). Fall, Winter.

History 13 (113)—A continuation of History 12 (3-0-3). Winter, Spring.

In addition to a chronological treatment of events studied in the above courses, the dynamics of Western Civilization are studied in

works of the following authors: Plato, Lucretius, St. Augustine, Dante, Machiavelli, Descartes, Locke, Jefferson, Rousseau, Adam Smith, Ricardo, Malthus, Bentham, Marx, Shaw and Hersey.

History 11-12-13 are required of all students seeking an Associate degree from Armstrong College of Savannah and are designed to be complementary with English 11-12-13.

History 22—Latin American (5-0-5). Spring.

This course surveys the colonial, revolutionary and recent developments in the countries of Hispanic America.

History 25—Recent European History (5-0-5). Spring.

This course is designed to provide an opportunity for detailed study of major national and international developments in European affairs from about 1870 to the present time. Special emphasis is devoted to the first World War and new developments in Europe following that war and the complex of world events which preceded the Second World War.

History 26—Recent American History (5-0-5). Fall and Winter.

This course has as its purpose the examination of the most important events and movements, political, social and cultural, in American life from about 1900 to the present time.

History 111x—An Historical Introduction to Contemporary Civilization (5 0-5). Fall, Spring and Summer (Not offered 1953-54).

This course comprises a chronological survey of the main currents of political, social, religious and philosophical activity in Western Civilization from the period of the sixth century in Greece to the present time.

History 112y—A Continuation of History 111x (5-0-5). Winter and Summer (Not offered 1953-54).

In addition to a chronological treatment of events studied in the above courses, the dynamics of Western Civilization are studied in works of the following authors: Plato, Lucretius, St. Augustine, Dante, Machiavelli, Descartes, Locke, Jefferson, Rousseau, Adam Smith, Ricardo, Malthus, Bentham, Marx, Shaw and Hersey.

HOME ECONOMICS

Home Economics 10a—Orientation: Careers (3-0-3). Fall.

The many opportunities available in the field, such as food specialists, nutrition experts, nursery school teachers, marriage counselors

and others will be discussed. Professional experts in these fields will visit the class to show the many vocations dealing with the home.

Home Economics 10b—Orientation: Personal Development (3-0-3). Winter.

How to be more attractive through personal grooming and what is appropriate in manners and dress on various social occasions are emphasized.

Home Economics 1n—Nutrition and Food Preparation (3-2-4). Winter.

A study of the laws governing the food requirements of human beings for maintenance of growth, activity, reproduction, and lactation. Complete meals are prepared and served in each laboratory period.

Home Economics 11—Clothing (2-6-5). Fall.

Planning and making individual wardrobes. Fashions, design and fabrics are studied.

Home Economics 12—Foods (3-4-5). Spring.

This course is based on the human food needs. Preparation and attractive serving of meals is studied.

Home Economics 21—Home Furnishings (4-2-5). Fall.

The interior and exterior planning of the home is studied. Emphasis is placed on styles of furniture, color and decoration fabrics used in the home.

Home Economics 23—Elementary Textiles and Clothing for the Family (2-6-5). Winter.

Practical application of elementary textile study to the selection and use of clothing for the family.

Home Economics 24—Family Fundamentals (5-0-5). Spring.

A course in the family with the problems that one faces in the preparation for children and the adjustment to these children.

MATHEMATICS

Mathematics 10—Basic Skills in Mathematics (5-0-5).

(Not open to students who have high school credit for two years of algebra and one of plane geometry.)

This course provides an opportunity for the student to acquire

basic skills in mathematics necessary to meet the common demands of various college programs.

Topics from plane geometry include the properties of such geometric figures as polygons, triangles and circles.

Topics from algebra include fractions, signed numbers, linear equations, ratio, proportions, variation, elements of finance and graphs.

Mathematics 16 (116)—College Algebra (5-0-5). Fall and Spring. Prerequisite: Two years of high school algebra and one of plane geometry, or Mathematics 10.

The course consists of functions and graphs, logarithms, linear and quadratic equations, the binomial theorem, complex numbers and the elementary theory of equations.

Mathematics 17 (117)—Trigonometry (5-0-5). Fall and Winter. Prerequisite: Mathematics 16.

A course covering the solution of the right and general triangle, the general solution of trigonometric equations, trigonometric identities, polar coordinates.

Mathematics 18 (118)—Plane Analytic Geometry (5-0-5). Winter and Spring. Prerequisite: Mathematics 17.

Analytic geometry of the point and the line, elementary conic sections, polar coordinates, transcendental curves and transformation of coordinates.

Mathematics 19 (119)—Mathematics of Finance (3-0-3). Spring. Prerequisite: Mathematics 16.

This course gives that background necessary for dealing with problems found in banking, real estate, financing, and accounting; the operation of the compound-interest law in business; simple problems concerning bonds, sinking funds, valuation of properties and annuities. Practical problems in these fields will be emphasized. The necessary aids and shortcuts and use of tables and logarithms will be studied.

Mathematics 21 (121)—Differential Calculus (5-0-5). Fall. Prerequisite: Mathematics 18.

Theory of differentiation, with application to tangents; maxima and minima, rates, curvature, velocity and acceleration, approximations, and Newton's method.

Mathematics 22 (122)—Integral Calculus (5-0-5). Winter. Prerequisite: Mathematics 21.

Formulas and methods of integration, single integration applied in areas and lengths; volumes and surfaces of revolution; centroids and moments of inertia; pressure and work.

Mathematics 99—Intermediate Algebra for College Students (5-0-5). Fall and Spring.

A study of the fundamental operations of algebra together with factoring, fractions, linear equations, exponents and radicals, quadratic equations, graphical methods, ratio and proportion, and functional notation.

MUSIC

(See Fine Arts)

PHILOSOPHY

Philosophy 111-112-113 (2-0-2). Fall, Winter and Spring.

An informal discussion of the thinking of certain Greek, Roman, Early Christian, Renaissance, and modern writers.

PHYSICAL EDUCATION

Physical Education 11—Conditioning Course (0-3-1). Fall.

Consists of calisthenics, stunts and tumbling, lifts and carries, road work, dual combatives, and simple games.

Physical Education 12—Team Sports (0-3-1). Winter.

Consists of basketball, soccer, speedball and volleyball.

Physical Education 13—Elementary Swimming (0-3-1). Spring.

Physical Education 14 — Officiating of Basketball for Women (1-3-2). Winter. Prerequisite: P. E. 12 or the equivalent.

Consists of a study of rules interpretation and actual experience in coaching and officiating in class and intramural games. Elective credit, except when substituted for P. E. 12.

Physical Education 20—First Aid and Safety Education (4-0-3). Winter.

The American Red Cross standard course in first aid is followed by a broad consideration of the opportunities for safety teaching in the school program.

Physical Education 21—Elementary Tennis (0-3-1). Fall.

Physical Education 22 — Elementary Boxing for Men (0-3-1). Winter.

Physical Education 23—Senior Life Saving and Instructors' Course in Swimming for Men (2-3-2). Spring.

Physical Education 24—Boxing for Teachers (2-3-2). Winter.

Physical Education 25—Folk Rhythms (0-3-1). Fall.

Physical Education 26 — Modern Dance for Women (0-3-1). Winter.

Physical Education 27—Tap Dance for Beginners (0-3-1). Winter.

Physical Education 28—Adult Recreative Sports (0-3-1). Spring.

Consists of passive, semi-active, and active games and sports which have carry-over value for later life.

Physical Education 29—Folk Rhythms for Teachers (2-3-2). Fall.

This course consists of advanced training in folk dances and practice teaching of those dances.

Physical Education 30—Archery (0-3-1). Spring.

PHYSICS

Physics 11 (111)—General Physics (5-2-6). Winter. Laboratory fee, \$2.50. Prerequisite: a course in college mathematics or consent of the instructor.

Lectures, demonstrations, recitations and laboratory work covering the fields of mechanics and heat.

Physics 12 (112)—General Physics (5-2-6). Spring. Laboratory fee, \$2.50. Prerequisite: Physics 11 or consent of the instructor.

Lectures, demonstrations, recitations and laboratory work covering the fields of electricity, sound and light.

POLITICAL SCIENCE

Political Science 12 (112)—The Governments of Foreign Powers (5-0-5). Summer and Winter.

A study is made of the leading modern political theories, and attention is paid to the structure and powers of the major foreign governments.

Political Science 13 (113)—Government of the United States (5-0-5). Fall and Winter.

A study is made of the structure, theory, workings of the national government in the United States and some of the major problems of the state and local government. The course shows how developmental practice has created our government as it stands today.

PSYCHOLOGY

Psychology 1n (5-0-5).

This course is an introduction to the study of human behavior with emphasis on the underlying principles of mental adjustments. The importance of the nurse's own personality is stressed.

Psychology 21 (121)—*Introductory Psychology* (5-0-5). Fall and Winter.

In this course human behavior is analyzed into its elementary functions of learning, feeling, thinking, maturation, motives and conflicts. Facts and principles from scientific research in psychology are used for understanding these functions and for measuring individual differences in ability, personality and development. Standardized experiments and the student's own experiences are used to explore and apply the facts in this field.

Psychology 22 (122)—*Social Psychology* (5-0-5). Spring. Prerequisite: Psychology 21.

This course provides a study of the interactions between the individual and his social groups. Basic psychological processes of sensory-perceptual behavior, motivation, learning and thinking are studied as they affect an individual's adjustment to the social groups and institutions of our culture. Special attention is given to a study of group membership, leadership, development of attitudes and values, public opinion, propaganda, prejudice and other inter-group tensions.

Psychology 23 (123)—*Child Psychology* (5-0-5). Spring. Prerequisite: Psychology 21.

This course offers a study of the developmental factors operating in a child's experience which make for, or interfere with, effective expression of his capacities and adjustments to life situations. Sources are drawn from experimental research and from findings of analytic psychology. Direct observation of children individually and in a nursery is used as a source for class discussion.

Psychology 25—Psychology of Adjustment (5-0-5). Fall.

The class setting is used in this course for direct experience of the use of group discussion for self-understanding. This is supplemented by systematic written self-analysis.

Psychology 125—Psychology of Adjustment (5-0-5). Fall and Winter.

Emphasis on the self and self-analysis. Use is made of free discussion and psycho-drama techniques.

PUBLIC SPEAKING

(See English 28)

SOCIOLOGY

Sociology 1n—Elementary Sociology (5-0-5). Fall.

This course considers (1) the principles of sociology; (2) the nurse as a citizen of the community and as a professional worker; (3) the importance of the hospital among the social agencies in the community; (4) the patient in the hospital coming from the family and returning to the family.

Sociology 20 (120)—Introductory Sociology (5-0-5). Winter.

A study of the principles of social organizations in American culture based on scientific studies of groups, "races," population and of the institutionalized functions of society.

Sociology 21 (121)—Marriage and the Family (5-0-5). Winter and Spring.

This course introduces the family as an institution in various cultures as a setting for studying the institutional characteristics of the modern American family. This is followed by analysis of personality development basic to mature marital love, choice of a mate, marital adjustment, parenthood, family administration, and sociological trends for family stability, family disorganization and adjustment of the aging.

SPANISH

(See Foreign Languages)

SOCIAL SCIENCE

Social Science 4—Contemporary Georgia (5-0-5). Summer.

A study of current economic and social statistics as pertaining to agriculture, industry, and commerce; population trends, and governmental organization and problems.

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VOLUME XIX

NUMBER 1

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CALENDAR FOR 1954 - 1955

SUMMER SESSION — EVENING COLLEGE 1954

FIRST TERM

Registration	Monday, June 14
Classes begin	Tuesday, June 15
Last day to register for credit	Monday, June 21
Mid-term reports due	Thursday, July 1
Examinations	Thursday and Friday, July 22-23

SECOND TERM

Registration	Monday, July 26
Classes begin	Tuesday, July 27
Last day to register for credit	Monday, August 2
Mid-term reports due	Thursday, August 12
Examinations	Thursday and Friday, September 2-3

FALL QUARTER

Freshman testing and Sophomore counseling	Tuesday, September 14
Freshman orientation	Wednesday through Friday, September 15-17
Registration	Monday, September 20
Classes begin	Tuesday, September 21
Last day to register for credit	Friday, October 1
Mid-term reports due	Friday, October 22
Thanksgiving holidays	Thursday through Sunday, November 25-28
Pre-registration	Wednesday through Friday, December 1-3
Examinations	Wednesday through Friday, December 8-10
Parade and basketball game	Saturday, December 11
Homecoming reception and dance	Monday, December 20
Christmas Holidays	Monday, December 13 through Monday, January 3

WINTER QUARTER

Registration	Monday, January 3
Classes begin	Tuesday, January 4
Last day to register for credit	Monday, January 17
Mid-term reports due	Monday, February 7
Pre-registration	Wednesday through Friday, March 2-4
Examinations	Monday through Wednesday, March 14-16
Spring holidays	Thursday through Saturday, March 17-19

SPRING QUARTER

Registration	Monday, March 21
Classes begin	Tuesday, March 22
Last day to register for credit	Friday, April 1
Mid-term reports due	Friday, April 22
Pre-registration. Summer and Fall Quarters.	Wednesday through Friday, May 18-20
Examinations	Monday, May 30 - Wednesday, June 1
Sophomore Beach Party	Friday, June 3
Sophomore - Alumni Luncheon	Saturday, June 4
Graduation	Monday, June 6

Administration

THE COLLEGE COMMISSION

HERSCHEL V. JENKINS	- - - - -	Chairman
WILLIAM MURPHEY	- - - - -	Vice-Chairman
NEPHEW K. CLARK, <i>Ex-officio</i>		VICTOR B. JENKINS
WILLIAM A. EARLY, <i>Ex-officio</i>		HERBERT L. KAYTON
OLIN F. FULMER, <i>Ex-officio</i>		CHARLES S. SANFORD, <i>Ex-officio</i>
JAMES P. HOULIHAN, <i>Ex-officio</i>		DR. HELEN SHARPLEY
		FRED WESSELS, JR.

ADMINISTRATIVE STAFF AND FACULTY

FOREMAN M. HAWES, A.B., M.S.	President
ARTHUR M. GIGNILLIAT, A.B., M.A.	Director of the Evening College
JULE C. ROSSITER, Associate in Arts	Secretary and Treasurer
ANNA CONE SEYLE, A.B.	Registrar
W. ORSON BEECHER, A.B., M.A., Emory University: M.A., University of Georgia	Instructor in History
WILLIAM L. BELL, B.S. in Education, Georgia Teachers College: Graduate study, George Peabody College for Teachers	Basketball Coach and Instructor in Physical Education for Men
**STEPHEN P. BOND, Bachelor of Science and Architecture. Georgia Institute of Technology	Instructor in Engineering
ARTHUR W. CASPER, B.S., Beloit College; M.S., University of Wisconsin	Instructor in Mathematics and Physics
LAMAR W. DAVIS, B.S. and M.S., University of South Carolina; Certified Public Accountant	Instructor in Business Administration
JOSEPHINE SIMMONS DENMARK, B.S., Georgia Teachers College; M.S. in H.E., University of Georgia	Instructor in Home Economics
JOSEPH W. GREEN, A.B., Birmingham-Southern College; M.A., Vanderbilt University; Graduate Study toward a doctorate, Vanderbilt University	Instructor in English

** Parttime instructors

*HARRIETTE A. HAINES, Graduate of the Pape School, Draughon's Business College

Instructor in Typewriting

ANNE LORE STELLJES HARRELL, A.A., Armstrong College of Savannah
Clerical Assistant in the Business Office

SANDRA HART HARVEY, A.A., Armstrong College of Savannah
Clerical Assistant in the Registrar's Office

UNO KASK, B.S., University of Georgia; Graduate Study at the University of Minnesota

Instructor in Chemistry

JOSEPH I. KILLORIN, A.B., St. Johns College; M.A., Columbia University

Instructor in History

MARGARET SPENCER LUBS, B.M., Converse College; A.B., University of Georgia; M.A., Columbia University

Instructor in French and English

VIRGINIA MATTSON, Dickinson College, Junior College Certificate
Assistant to the Librarian

ELMO M. MCCRAY, JR., B.S. and M.S., University of Alabama

Instructor in Biology

HELEN HYDE MCINTIRE, B.A. and M.A., University of Mississippi
Instructor in History and Political Science

HELEN MEIGHEN, Taylor's Business College

Secretary to Director of the Evening College

MARJORIE A. MOSLEY, Associate in Finance and Commerce, Armstrong College of Savannah

Secretary to the President

JACK H. PADGETT, A.B., Wofford College; M.A., University of North Carolina

Instructor in Mathematics

**JAMES HARRY PERSSE, B.F.A., University of Georgia; Master of Music, Florida State University

Director of the Glee Club

JACK PORTER, A.B., George Peabody College for Teachers; M.A., University of North Carolina

Instructor in English and Director of the Armstrong Masquers

RAY ROWLAND, A.B., Mercer University: Master of Librarianship,
Emory University

Librarian

PRISCILLA JANE THOMAS, A.B., Bessie Tift College: M.S., Emory University

Instructor in Biology

DOROTHY THOMPSON, A.B., Monmouth College; M.A., Northwestern University; Certificate of Psychiatric Social Work, Western Reserve University

Instructor in Psychology and Sociology

*CARMEN TORRIE, B.S., Concord College; M.S., University of Tennessee

Director of Athletics and Instructor in Physical Education

DOROTHY MORRIS WADE, B.S., University of Tennessee

*Instructor in Physical Education for Women and
Acting Director of the Physical Education Program*

GLADYS NICHOLS ZILCH, Diploma from the Gregg School of Chicago

Instructor in Commerce

ELIZABETH POUND, Georgia State College for Women, State Teachers College

Director of the Student Center

ARMSTRONG EVENING COLLEGE INSTRUCTORS

LORRAINE ANCHORS, A.B. and M.A., Baylor University

Instructor in English

BETTY BURNS, B.S., University of Houston

Instructor in Psychology

MARY CATERISAN, B.S., Georgia State College for Women; M.A., Emory University

Instructor in Commerce

JAMES W. CARTER, A.B., University of Florida: Graduate School, University of Florida

Instructor in Music

JOSIAH K. COBB, Railroad Freight Traffic School; College of Advanced Traffic

Instructor in Transportation and Traffic

* On leave of absence

I. DAVID COOLEY, B.S., Duke University

Instructor in Mathematics

ORLANDO DIAZ, B.S., Phillips University; M.A., Phillips University

Instructor in Spanish

ZOLTAN J. FARKAS, Ph.D., University of Budapest, Hungary

Instructor in German

THEODORE B. FITZ-SIMONS, Associate in Arts, Armstrong College of Savannah; A.B., University of Georgia

Instructor in Political Science

MICHAEL J. GANNAM, B.A., University of Georgia; M.A., University of North Carolina; L.L.B., University of Georgia

Instructor in Political Science

ROBERT G. HATTWICK, B.A., Ohio State University; M.B.A., Ohio State University; Ph.D., Florida State University

Instructor in Psychology

ROSA B. HOPSON, A.B., Middlebury College; M.A., University of Georgia; Certificate from Sorbonne University

Instructor in English and French

VIRGINIA L. HUDSON, B.S., Education, Georgia State College for Women; M.A., Duke University

Instructor in History

ARTHUR H. JETTE, E.E., Cornell University; M.S., Western Reserve University

Instructor in Sociology

WARREN R. JONES, B.C.E., Georgia Institute of Technology

Instructor in Engineering Drawing

PATRICK J. KELLEY, Assistant General Traffic Manager, Benton Rapid Express

Instructor in Traffic and Transportation

KENNETH F. KLINKERT, B.S., University of Wisconsin; M.S.W., in Psychiatric Social Work, Tulane University

Instructor in Sociology

JOSEPH C. MULLER, B.B.A., University of Georgia

Instructor in Commerce

CHRISTOPHER B. MURPHY, JR., Student Beaux Arts Institute and The Art Students' League, New York

Instructor in Drawing and Painting

MARGARET A. MURPHY, B.A., University of Georgia; Advanced Study,
Columbia University

Instructor in Ceramics

ROBERT A. PORTER, A.B., Duke University; M.S.S.W., School of Social
Work, Richmond Professional Institute of the College of William
and Mary

Instructor in Psychology

HAROLD J. REEVES, B.S., Brown University; M.B.A., University of
Pennsylvania

Instructor in Business Administration

WILLIAM ROKOFF, B.S., New York University; Graduate Work, The
College of the City of New York

Instructor in Business Administration

MARIE E. SOMMER, A.B., University of North Carolina; M.A., New
York University

Instructor in History

LOLA STEVENS, B.S., Michigan State Normal School; M.A., Columbia
University

Instructor in Music

MARY E. SUTTON, B.A., University of Georgia

Instructor in Economics

HAROLD E. THOMPSON, B.S.A., University of Georgia; M.A., University
of Michigan

Instructor in Music

LOUIS A. THOMPSON, M.B.A., L.L.B., University of Georgia

Instructor in Business Administration



THE ARMSTRONG BUILDING — ADMINISTRATIVE OFFICES

General Information

HISTORY AND ORGANIZATION

Armstrong College of Savannah was founded on May 27, 1935, by the Mayor and Aldermen of the City of Savannah to meet a long-felt need for a junior college. The first college building was the magnificent home of the late George F. Armstrong, a gift to the city from his widow and his daughter. The former home, now called the Armstrong Building, is an imposing structure of Italian Renaissance architecture; inside, its spacious rooms and marble halls lend an air of dignity; while outside it is one of the most beautiful college buildings in the South.

Over the years, through private donation and public appropriation, the campus has been enlarged until now it includes four additional buildings: the Lane Building, a gift of the late Mills B. Lane, prominent banker; John W. Hunt Memorial Building in which are located the Student Center, the Home Economics Program, the Women's Lounge, the Dancing Studio, and the Music Room; Herschel V. Jenkins Hall, which contains the auditorium, theater for the Armstrong College Masquers, and class rooms; and Thomas Gamble Hall, site of science lecture rooms and laboratories.

Three of the buildings face forty-acre Forsyth Park, the most beautiful park in the city; the other two face Monterey Square, one of the carefully planned squares for which Savannah is famous.

Hodgson Hall, across from Forsyth Park on Whitaker Street, contains the college library as well as the Library of the Georgia Historical Society, to which Armstrong students have access.

The college is under the control of a commission of six members, appointed by the Mayor. In addition, the commission includes as ex-officio members the Mayor, the Chairman of the Chatham County Board of Education, the Chairman of the County Commissioners, the Superintendent of the Board of Education, and the President of the Savannah Chamber of Commerce.

Except for the war years, enrollment has shown a steady increase. At present the total number of students in the day and evening programs is approximately six hundred and fifty.

AIMS

The college seeks to serve the community by giving the men and women who attend its classes a better understanding of the world in

which they live and the experience of adapting knowledge to meet the obligations and responsibilities of citizenship.

The student may complete one or more of the following specific objectives:

1. Complete the freshman and sophomore years of the four-year senior college program leading to the baccalaureate degree;
2. Finish two years of pre-professional work leading toward medicine, dentistry, law, home economics, the ministry and other professions;
3. Graduate from a semi-professional program, prepared to go into business or industry.
4. Complete the first year of an engineering program which is transferable for credit to colleges of engineering.

The college awards the degree of Associate in Arts to students completing an approved program.

ADMISSION TO THE COLLEGE

(For dates see calendar on page 2)

A student planning to enter Armstrong will obtain from the Registrar an "Application for Admission Card." The student will complete and return this form to the Registrar's office. *Request the High School Principal, or the College Registrar (in the case of a transfer student), to send a transcript of credits to the Registrar's Office, Armstrong College of Savannah, Savannah, Georgia.*

Having checked the student's records for compliance with the minimum requirements for admission, the Registrar's office will send a notice to the student that he has been admitted to the college, together with certain physical examination forms which must be completed and returned before the student can complete registration. The applicant will be notified of the dates of the freshman placement examinations. These tests do not affect a student's entering Armstrong, but will enable the faculty advisers to assist him in selecting a program of study upon entrance. *Students are required to take these test measurements before registration is completed.*

REQUIREMENTS FOR ADMISSION

There are two methods of admission to Armstrong College: either by certificate or by examination.

BY CERTIFICATE

1. A candidate for admission to Armstrong College of Savannah by certificate must be a graduate of an accredited high school with at least fifteen units of credit.

2. No subject-matter units are prescribed. The high school program should be of such nature as to give satisfactory preparation for beginning college studies. Subjects which may be expected to contribute to this end are English composition, literature, natural science, history and other social studies, foreign languages, and mathematics. The right is reserved to reject any applicant whose high school program does not indicate adequate preparation for college work.

3. A record of high school credits earned by the applicant should be made out on the proper forms by an official of the high school and mailed directly to the Office of the Registrar. This certificate becomes the property of the college and cannot be returned to the applicant.

4. Three units in mathematics are a pre-requisite for admission to the freshman class in engineering.

BY EXAMINATION

Students beyond high school age, who do not meet the above requirements for admission by certificate, may take the General Educational Development tests (high school level). The student will be admitted to college on the basis of his score. These tests should be completed at least one week before registration. Additional information may be secured from the Registrar's office.

ADMISSION TO ADVANCED STANDING

Advanced credit will be allowed for work done in other institutions of proper rank and standing and in certain cases for training received in the Armed Service. Credit toward graduation from transfer institutions will be accepted if the student has a general average of "C" for all college work completed. To receive a diploma from Armstrong College of Savannah, a student must be in attendance taking a normal study load for two quarters, earn a "C" average and, in addition, must satisfy the requirements of a particular course of study. Adults (students over 21 years of age) may receive credit for certain

college work on the basis of the General Educational Development tests (college level).

ADMISSION OF VETERANS

Armstrong College of Savannah will accept veterans who are not high school graduates if their official General Educational Development tests show scores that indicate the applicant's ability to do college work. A Certificate of Eligibility and Entitlement (VA Form No. 7-1993) is required of every veteran who attends this institution under Public Law 550 (Korean Bill), application for which may be completed at the Veterans Administration office in the Blun Building, Savannah, Georgia. Immediately upon receipt of certificate from the Veterans Administration, the student should contact the college business office regarding processing of certificate and future monthly reports.

All veterans attending Armstrong under Public Law 346 must present a certificate of eligibility the first time they register at Armstrong College. A veteran who has not obtained a certificate of eligibility prior to registration will be required to pay cash, which may be refunded by the Business Office upon receipt of the certificate. All veterans attending Armstrong under Public Law 550 should be prepared to pay tuition and fees at time of registration.

ADMISSION OF SPECIAL STUDENTS

Adults who are interested in enrolling in courses for their intrinsic value but who do not wish college credit may be enrolled as special students. Requirements pertaining to entrance examinations, physical examinations, and physical education do not apply to these students.

TRANSIENT STUDENTS

A student regularly enrolled in another college may register at Armstrong as a transfer student with the permission of his dean or advisor. For such a student, entrance requirements are waived.

FEEES

Tuition will be charged as follows:

For 12-17 quarter hours—\$55.00.

For each quarter hour *less than* 12 quarter hours—\$4.60.

For each quarter hour *in excess of* 17 quarter hours—\$4.60.

Anyone wishing to audit a non-laboratory course in the day program (but not receive college credit) may do so with permission of the instructor by paying a fee of \$10.00 per course.

A graduation fee of \$7.50 will be collected from each candidate for graduation.

Any student delinquent in the payment of any fee due the college will have grade reports and transcripts of records held up, and will not be allowed to re-register at the college for a new quarter until the delinquency has been removed.

Each student leaving Armstrong College is entitled to one official transcript of his college work. The charge for additional copies is \$1.00 each.

An activity fee of \$5.00 each quarter will be charged all day students who are registered for 10 quarter hours or more. This fee is not charged Evening College students unless they wish to participate in the regular activity program of the college.

Students taking laboratory work will be required to pay a fee for materials and equipment. This fee is indicated in the description of courses found under "Course Descriptions" elsewhere in this bulletin.

All absences from announced quizzes must be made up. There is a fee of \$2.00 for this service, with the following exceptions:

- (1) Illness which is certified by a medical doctor.
- (2) A death in the family.
- (3) Absences incurred while on official business for the college.

Any student who desires to take more than 18 quarter hours per quarter must have the approval of his advisor.

Refunds of fees and tuition will be made **ONLY** upon written application for withdrawal from school. No refunds will be made to students dropping a course. The schedule of refunds is given below:

REFUND SCHEDULE

	WITHDRAWAL DATES	AMOUNT OF REFUND
First Session, Summer Quarter, 1954	June 14, 15, 16	80% of fees
	June 17, 18	60% of fees
	June 21, 22, 23	40% of fees
	June 24, 25	20% of fees
Second Session, Summer Quarter, 1954	July 26, 27, 28	80% of fees
	July 29, 30	60% of fees
	Aug. 2, 3, 4	40% of fees
	Aug. 5, 6	20% of fees
Fall Quarter, 1954	Sept. 20, 21, 22, 23, 24	80% of fees
	Sept. 27, 28, 29, 30	60% of fees
	Oct. 1	60% of fees
	Oct. 4, 5, 6, 7, 8	40% of fees
Winter Quarter, 1955	Oct. 11, 12, 13, 14, 15	20% of fees
	Jan. 3, 4, 5, 6, 7	80% of fees
	Jan. 10, 11, 12, 13, 14	60% of fees
	Jan. 17, 18, 19, 20, 21	40% of fees
Spring Quarter, 1955	Jan. 24, 25, 26, 27, 28	20% of fees
	March 21, 22, 23, 24, 25	80% of fees
	March 28, 29, 30, 31	60% of fees
	April 1	60% of fees
	April 4, 5, 6, 7, 8	40% of fees
	April 11, 12, 13, 14, 15	20% of fees

ORIENTATION AND ADVISEMENT

The counseling and advisement service of Armstrong College of Savannah offers help in solving problems connected with the student's college program.

Students are urged to request help from their instructors when the difficulty is one concerned with the subject itself and having no complications. The areas with which the adviser is usually concerned are choice of vocation, the planning of work in college, study habits generally and personal adjustment to college life. Those problems which do not fit into these general categories either because of greater intensity or critical developments are referable to community agencies outside the college if this is agreeable to the student and his parents or guardians.

During the year 1952-53 the academic advisement of students was distributed among the entire faculty so that each instructor carried the responsibility for a proportionate number of the entire student body registered in the daytime program. Advisement interviews were scheduled with each student at least once a quarter and appointments for these interviews were mailed from the office of the President. These interviews were designed to aid the student in planning his program of work in college.

LIBRARY

The library of Armstrong College is housed in Hodgson Hall on the corner of Gaston and Whitaker Streets. All the materials are readily available to the students since all books are on open shelves. On the main floor is the reference room, with its many volumes of factual information. Downstairs is the reading room, a popular and attractive meeting place for the students; this room contains fiction, biography and books in foreign languages. In addition the reading room contains a radio-phonograph on which the students may hear their favorite records. The workroom and office of the Librarian are also downstairs.

The library includes books for general and for recreational reading. At the present time the library's holdings consist of a standard collection of books totaling over 12,000 volumes and an extensive collection of pamphlets on subjects of current interest. More than 100 periodicals are received, including five newspapers. In keeping with the purpose of the library to meet the needs of all the students, a beginning has been made toward a collection of recordings and art prints.

In addition to the resources of the college library the students have free access to the holdings of the Georgia Historical Society, also housed in Hodgson Hall. This library contains the most outstanding collection of materials on Georgia and its history as well as a large collection of materials on Southern history. The holdings of the Historical Society consist of more than 10,000 books, 80 periodical subscriptions, an extensive manuscript collection, and one of the most complete files of Savannah newspapers, dating back to 1763.

To further meet their needs, Armstrong students are encouraged to use not only the materials available in Hodgson Hall, but also the Savannah Public Library, which has much material of interest, such as its large collection of fiction, government documents, and microfilm copies of newspapers.

MENTAL HEALTH CLINIC

The clinic is an integral part of the Savannah-Chatham Health Department, which has as its primary functions the development of a community-wide mental health program and the treatment of the emotional problems of children and adults.

The personnel at the clinic include the Director, who is a psychiatric social worker, another psychiatric social worker, and a psychologist, as well as a psychiatrist who serves as consultant.

The clinic is located on the ground floor in the Lane Building at 20 West Gaston Street.

ARMSTRONG EVENING COLLEGE

Education knows no age limit.

For those adults who wish to keep mentally alert; for those who are employed by day so must attend college by night; for those who wish to obtain a college degree in the evenings; for those who strive to master a skill or an art, to add a new field of interest in life: Armstrong keeps its doors open well into the night for any and all of these.

College credit is given for courses taught in the evening. Students may become candidates for the degrees listed elsewhere in this bulletin under "Curriculums."

Students not seeking degrees may enroll in courses on a non-credit basis.

Physical examinations and placement tests are waived as requirements for registration. Physical education is not a degree requirement for adults in the evening college.

It is possible to enroll for three courses on Monday, Wednesday and Friday between the hours of 6:00 and 10:30 P. M. However, students employed during the day are urged to limit their enrollment to one or two courses. Eighteen five-hour courses or the equivalent, are required for graduation.

The dates for refunds in the case of withdrawal listed in this bulletin are applicable. When a student is enrolled in more than one course, no refund is allowed for dropping a single course. Refunds are made only in case of withdrawal from the college.

The cost of tuition, etc., is covered under "fees." Student activity fees are not assessed evening college students. Participation in college activities is invited .

Armstrong Evening College as successor to the Savannah branch of the University of Georgia Off-Campus Center, began operation in June, 1951. During the 1953-54 school year more than 400 students enrolled each quarter. Veterans are now attending under Public Laws 346 (World War II) and 550 ("Korean" veterans).

Qualified Armed Services personnel, currently on active duty, are attending with their tuition partially defrayed by the services. This is arranged through the unit education officer of the service affected.

Quarterly announcements of Evening College courses, instructors, etc., may be obtained by addressing requests to The Director, Armstrong Evening College, 447 Bull Street, Savannah, Georgia.

SENIOR COLLEGE COURSES

Through the Extension Division of the University of Georgia, Armstrong Evening College offers upper division courses which can be taken for credit satisfying junior and senior year requirements for the bachelor's degree. A minimum of one year of residence at the University is required to receive the bachelor's degree. The equivalent of one year of senior college work, however, may be completed through extension courses in residence at Armstrong College in certain degree programs. Instructors in the extension classes must be approved by the heads of the departments at the University of Georgia. These courses then carry University credit and are recorded in the registrar's office at the University of Georgia. They are University of Georgia courses taught in Armstrong Evening College.

In the past, the courses offered have been the core curriculum for the junior year leading toward the Bachelor of Business Administration degree. Also, income tax accounting, a second course in busi-

ness law, personnel administration, and other advanced courses in economics and business administration have been offered as student demand indicated.

Junior and senior courses leading toward the Bachelor of Arts degree are offered in English, literature, history, psychology, and sociology. Other courses will be added if sufficient student requests warrant.

Courses required to qualify for State Department Teacher's certificates are sometimes offered as upper division courses, since local teachers are limited to ninety quarter hours of credit at the junior college level. State Department regulations requiring all courses in education to be taught in a teacher-training institution prevent Armstrong College from offering any such courses for credit.

AUDIO-VISUAL INSTRUCTION

Certain classrooms of the college are equipped with screens for the showing of films. In the teaching of English, public speaking, foreign languages and music, visual aids are supplemented by recordings.

HOMECOMING AND OPEN HOUSE

A Homecoming program is held each year at the end of the Fall quarter in December. This includes a parade, a reception, a basketball game and a dance. All alumni, students and their friends are invited to attend.

During the Spring quarter the college is open to the general public for inspection during its annual Open House. Exhibits are prepared by the students and faculty members in the various classes which are representative of the work done at Armstrong. All visitors are invited to tour the buildings and grounds and to attend a social hour arranged by the home economics students.

STUDENT ASSISTANTS

The college employs a number of student assistants each year. These students work in the library, science laboratories, business offices and with the faculty. Those who desire such employment should apply to the staff member who is in charge of the work in which he is interested or to the President of the college.

SCHOLARSHIPS

The scholarships which are available to students are listed below. Application blanks may be secured from the President's office in the Armstrong Building. Those who wish to apply for scholarships for

the school year beginning in September should file an application in the President's office not later than July 15. All applicants are required to appear before an oral interview board during the month of August. Each applicant will be notified when to appear for this interview.

Commission Scholarships	8 for \$100.00 each
(This is a work scholarship)	
Arthur Lucas Scholarships	5 for \$100.00 each
Junior Chamber of Commerce	2 for \$100.00 each
Edward McGuire Gordon Scholarship	1 for \$200.00 (Men only)
Savannah Gas Co. Engineering	1 for \$100.00 (Men only)
Savannah Gas Co. Home Economics	2 for \$100.00 each
Friedman's Jewelers Scholarships	10 for \$100.00 each

PLACEMENT SERVICE

The college maintains a placement service for the benefit of employers and students. Anyone seeking part-time employment while in college, or full-time employment after leaving college, should place his name on file with the Business Office.

COMMENCEMENT EXERCISES

Commencement exercises are held each year in June. At this time the degree of Associate in Arts is awarded to those students who have met the requirements for graduation. At this time recognition is given to those who qualify for scholastic honors. The Faculty and Graduates participate in full academic dress.

STUDENT CENTER

The college does not operate a boarding department. The Student Center in the Hunt Building is open throughout the day and provides light lunches at reasonable prices. The Center also provides recreational facilities and houses the Book Store.

STUDENT ACTIVITIES

The entire program of student activities at the college is designed to contribute to the development of the whole individual and to assist him in becoming an active and helpful member of the community. The college feels that students should take the responsibility for directing their own affairs. The senate is the governing student board of Armstrong College. This organization is made up of elected representatives of all student groups. It is the function of the Senate to co-ordinate, direct and control student organizations and activities at Armstrong.

ATHLETICS

Basketball is the only sport in which the college fields an inter-collegiate team. All other sports at the college are on an intramural basis.

PHYSICAL EDUCATION PROGRAM

All regular day students, except veterans, are required to participate in a physical education program. Intramural competition is offered in such sports as basketball, volleyball, swimming, football, tennis, softball and pingpong. All are encouraged to take part in this program.

PUBLICATIONS

The college publishes the *Inkwell*, a newspaper; the *Mercury*, a magazine; and the *Geechee*, a yearbook. These afford students an opportunity to express their opinions on a wide variety of topics, to do creative writing and gain practice in other journalistic activities.

THE ARMSTRONG COLLEGE MASQUERS

The Armstrong College Masquers, with a charter membership of over seventy students, was organized in the Fall of 1950, after the Savannah Playhouse separated from Armstrong College and was reorganized as The Little Theatre, Inc.

The Masquer organization's goal is to furnish enjoyment and appreciation of the drama for both participants and spectators through a balanced presentation of popular and classic theatre.

Masquer membership is open to all students interested in any phase of the theatre: acting, designing, lighting, make-up, costuming, and other production skills.

An affiliate of the Masquers is the Armstrong Radio Workshop, formed to offer interested students an opportunity to develop techniques of radio broadcasting.

GLEE CLUB

The Armstrong Glee Club was organized in September, 1949. Its members are drawn from the student body and faculty. Besides giving two complete concerts at the college, one at Christmas and one in the Spring, the group has sung for many civic clubs in Savannah.

Rehearsals of one hour duration are held three times a week. Membership is open to all interested students.

General Regulations

ADVISEMENT AND PLACEMENT TESTS

To help a student select a definite objective early in his college program, the Armstrong staff administers to each entering freshman a series of interest, aptitude, and achievement tests. In the Fall, these are given during Freshman Week and are scored prior to the student's interview with an adviser. On the basis of these objective measurements, the student's previous record, his interest and his family counsel, the student with the aid of his adviser decides on a program of study which will enable him to accomplish his purpose.

PHYSICAL EXAMINATIONS

Each day school student must submit a completed physical examination report on the forms furnished by the college before he can complete his registration. A chest X-ray is also required. On the basis of the examinations, the physical education director will adapt a program of training and recreation to individual requirements. This regulation is not applicable to students enrolled in the Evening College.

COURSE LOAD

The unit of work for a regular student is 16-17 quarter hours per quarter. A normal schedule of sixteen quarter hours presupposes that the average student will devote approximately forty-eight hours per week to his college classes and to his preparation therefor.

Except in engineering, permission to enroll for more than 17 quarter hours will be granted only to students who have a "B" average for the preceding quarter. The quarter just prior to graduation, a student may take an extra course which is necessary to meet requirements for graduation. No student will be allowed to register for more than 21 hours in any one quarter.

ADMISSION TO CLASS

Students will be admitted to class when the instructor is furnished an official class card indicating that he has completed his registration and paid his fees in the Business Office.

CONDUCT

Compliance with the regulations of the faculty and the Armstrong College Commission is assumed. The use on the campus of intoxicating beverages, gambling, and hazing are prohibited.

REPORTS AND GRADES

It is felt by Armstrong that students in college should be held accountable for their own scholarship. Accordingly, report cards, warnings of deficient scholarship and other such notices are not sent out to parents or guardians by the college except on request. Instead the students themselves receive these reports and are expected to contact their advisers whenever their work is unsatisfactory. Report cards are issued at the end of each quarter. Reports of failing grades are issued in the middle of each quarter. Each student has access to an adviser and in addition, the Registrar, and all instructors are available to help and advise any student seeking assistance.

Reports are based on the following system of grading:

A plus	Exceptional	4 honor points per quarter hour
A	Excellent	3 honor points per quarter hour
B	Good	2 honor points per quarter hour
C	Fair	1 honor point per quarter hour
D	Poor	No honor points per quarter hour
E	Incomplete	Incomplete must be removed before mid term of the following quarter
F	Failure	Course must be repeated
W	Withdrew	Course must be repeated
W/F	Withdrew Failing	Course must be repeated

A student who receives an "E" (incomplete grade) should consult his instructor at once and arrange to complete the requirements of the course. An "E" grade which has not been removed by the middle of the succeeding quarter automatically becomes an "F." An "E" grade becomes an "F" if the course is repeated.

HONORS

Students who have been in attendance for three consecutive quarters taking a normal load and achieving an average grade of "B" or better with no grade below that of "C" will be placed on the Permanent Dean's List. This list is published each June in the commencement program.

Graduates who meet the requirements for the Permanent Dean's List and who are graduating with an average of three honor points per quarter hour, will be designated as graduating summa cum laude (with highest distinction). The designation cum laude (with distinction) will be bestowed upon those meeting the above requirements with an average of two honor points per quarter hour.

A valedictorian will be selected by the graduating class from the five students with the highest scholastic averages in the work completed before the term in which the students graduate.

Students who make a grade of "B" or better in each course during any quarter will be placed on the Dean's Scholastic Attainment List.

ATTENDANCE

Students are expected to attend classes as scheduled. Any absence, whatsoever, from class work entails a loss to the student.

A student who has been absent from class for a valid reason should have the absence excused with a written statement to his instructor who will initial it. The student will then file this form in the Registrar's office. Excuses must be submitted within seven days from the date the student returns to school; otherwise the absence will not be excused.

A student who has unexcused absences equal in number to the times the class meets in one week, and has one additional unexcused absence, will be dropped from class. The instructors will notify the Registrar's office when a student should be dropped. The Registrar's office will notify the student. Grades assigned to those who have been dropped will either be W or W/F, depending on the status of the student at the time he is dropped from class.

Attendance at bi-weekly assemblies is required.

WITHDRAWALS

A formal withdrawal, presented to the President in writing, is a pre-requisite for honorable dismissal from, or re-entrance into, this institution. Any student planning to withdraw should immediately make such intentions known to the administration of the college in writing. This notice is required to receive any authorized refunds.

In order that a student may not receive a failing grade on his permanent record card in the Registrar's office, he should formally withdraw from any class which he discontinues by securing the instructor's written approval. This written approval should be filed in the Registrar's office.

REQUIREMENTS FOR GRADUATION

The requirements for graduation from Armstrong College of Savannah are listed below:

1. The student will complete a program of study listed under "CURRICULUMS" with an average grade of "C." Any exceptions to a program may be referred by a student's advisor to the Committee on Academic Standing.

2. One-third of the work required for graduation will be completed at Armstrong College of Savannah.
3. Not more than one-fourth of the total work required for graduation will consist of correspondence course credit and credit for Armed Services Experience.

Candidates for graduation will make application in the Registrar's office two quarters prior to the expected date of graduation.

RECOMMENDATIONS

The recommendations issued by the college are based on the grades the student earns, his student activity record, and the opinions expressed by his instructors on a special student rating form.

The files of the Registrar's office which include all permanent records are consulted regularly by representatives of the Federal Bureau of Investigation, the Civil Service, the local Credit Bureau and other agencies having access to confidential records. A good college record is of vital importance to a student.

Curriculums

GENERAL

Before registration, the student should PLAN A PROGRAM OF STUDY WITH AN ADVISER. Even if a student knows what courses are required for graduation, he should have on record in the office of his adviser a copy of his program. In order for a student to make any changes in his planned program he must consult his adviser. The adviser and the Registrar will check a student's program and it will be approved two quarters prior to the expected date of graduation.

The Associate of Arts degree is conferred upon all students who complete at Armstrong College of Savannah one of the programs outlined in the catalog.

If a student plans to transfer to another institution either before or after graduation it is essential that he determine what courses must be completed at Armstrong in order to conform with the degree requirements of the institution to which he wishes to transfer.

THE CORE CURRICULUM

There are certain bodies of knowledge and certain skills indispensable to every college trained man and woman. The understanding of one's environment and man's struggle to adapt it to useful ends, the ability to communicate his thoughts and feelings; right group-attitudes and coordinated physical activity—these objectives are set up in the following courses required of all students desiring to graduate.

Freshman year: English 11-12-13; History 11-12-13; ten quarter hours of natural sciences, and Physical Education 11-12-13.

Sophomore year: Sophomore English and three quarters of physical education. Students enrolled in certain terminal courses described below may substitute English 20 and English 28 for English 21 and 22.

Students graduating in less than the six quarters of the regular session may reduce their physical education requirements accordingly. Physical education should be taken in the proper sequence and two courses should not be scheduled in any one quarter.

ASSOCIATE IN ARTS DEGREE

CONCENTRATION

BUSINESS ADMINISTRATION*

FIRST YEAR	
English 11, 12, 13—Freshman English	9
History 11, 12, 13—Western Civilization	9
Physical Education 11, 12, 13	3
Laboratory Science	10
Mathematics 16—College Algebra	5
Mathematics 19—Finance	3
Electives	9
TOTAL	48

SENIOR COLLEGE PREPARATORY

SECOND YEAR	
English 21, 22—Sophomore English	10
Physical Education	3
Business Administration—24, 25—Accounting	10
Economics 21, 24—Principles and Problems	10
Political Science 13—Govt. of U. S.	5
Electives	10
TOTAL	48

* A student should consult the catalog of his prospective senior college for required subjects. Colleges differ as to what subjects are required for this course.

CONCENTRATION—BUSINESS ADMINISTRATION

TERMINAL

Many students will not continue their formal education after leaving Armstrong. To these students the college gives the opportunity to select those subjects which have a vocational value. Sufficient general education is included in the core curriculum to make this a well-rounded program.

FIRST YEAR	
English 11, 12, 13—Freshman English	9
History 11, 12, 13—Western Civilization	9
Physical Education 11, 12, 13	3
Natural Science	10
Economics 21, 24—Principles and Problems	10
Electives	7
TOTAL	48

SECOND YEAR	
English 21, 22—Sophomore English or English 20, 28	10
Physical Education	3
Business Administration 24, 25—Accounting	10
Business Administration 27—Business Law	5
Commerce Electives: Typing	10
Calculator and Comptometer	
Shorthand	
Business Administration 26—Intermediate Acct.	
Business Administration 28—Business Law	
Electives (other)	10
TOTAL	48

CONCENTRATION—TRANSPORTATION

TERMINAL

As a communications center, Savannah offers many opportunities to students trained in transportation and traffic management. A lay

committee from business, industry, the railroads and truck lines drew up the following program.

Business Administration 151—Freight Rates and Tariffs	5
Business Administration 152—Motor Carrier Rates (elementary)	5
Business Administration 153—Advanced Freight Rates and Tariffs	5
Business Administration 154—Motor Carrier Rates (advanced)	5
Business Administration 155—Interstate Commerce Law	5
Economics 121 and 124—Principles and Problems	10
English 111-112-113—English Composition	9
English 120 and 128	10
History 111x, 112y—Survey of Western Civilization	10
Natural or Laboratory Science	10
Electives	17
	91

CONCENTRATION—SCIENCE

SENIOR COLLEGE PREPARATORY

This course of study is designed for those students who wish to major in the fields of Biology, Chemistry, Physics or Mathematics. At the time of registration the student must specify his major field, and it will be indicated at the time of graduation on the permanent record cards. The major of Biology will include the fields of Pre-Medicine, Pre-Dentistry, Pre-Pharmacy and Medical Technology.*

This program is so constructed that only slight variations are necessary to prepare a student for his particular major and it is the responsibility of each student to see that his program of study conforms to his senior college requirements. A minimum of 96 quarter hours is required for graduation.

FIRST YEAR		SECOND YEAR	
English 11, 12, 13—Freshman		English 21, 22—Sophomore	
English	9	English	10
History 11, 12, 13—Western		Physical Education	3
Civilization	9	*Physics 11, 12—General	12
Physical Education 11, 12, 13	3	*French or German	10
Mathematics 16—College Algebra	5	Electives and Major Requirements	
*Mathematics 17—Trigonometry	5		
Elective and Major Requirements			

The above courses are required of all students (except as noted) enrolling in this concentration.

MAJOR REQUIREMENTS:**Major in Biology:**

Biology 14, 15—General Zoology
 Biology 23—Comparative Vertebrate
 Anatomy
 Chemistry 14, 15—General
 Chemistry 24—Qualitative Analysis
 Chemistry 25—Quantitative Analysis

Major in Mathematics:

Mathematics 18—Plane Analytic
 Geometry
 Chemistry or Biology (10 hrs.
 minimum)

Major in Chemistry:

Chemistry 14, 15—General Chemistry
 Chemistry 24—Qualitative Analysis
 Chemistry 25—Quantitative Analysis
 Mathematics 18—Plane Analytic
 Geometry

Major in Physics:

Mathematics 18—Plane Analytic
 Geometry
 Chemistry or Biology (10 hrs.
 minimum)

* Students pursuing a terminal course in Medical Technology may substitute in certain cases, courses recommended by the American Society of Clinical Pathologists.

CONCENTRATION—COMMERCE SECRETARIAL**TERMINAL**

This program is designed to meet the needs of those students who wish to qualify for clerical positions in business.

FIRST YEAR

English 11, 12, 13—Freshman	
English	9
History 11, 12, 13—Western	
Civilization	9
Physical Education 11, 12, 13	3
Natural Science	10
Commerce 11 a-b-c—Typing	6
Commerce 12 a-b-c—Shorthand	15
Total	52

SECOND YEAR

Business Administration	24
24—Accounting	5
*English 20—Composition	5
Commerce 17—Office Practice	5
Commerce 21 a-b-c—Typing	6
Commerce 22 a-b-c—Shorthand	15
*English 28—Public Speaking	5
Physical Education	3
TOTAL	44

* English 21, 22 may be substituted for these English courses.

CONCENTRATION—HOME ECONOMICS**SENIOR COLLEGE PREPARATORY****FIRST YEAR**

English 11, 12, 13—Freshman English	9
History 11, 12, 13—Western	
Civilization	9
Physical Education 11, 12, 13	3
Home Economics 10a—Orientation:	
Careers	3
Home Economics 10b—Orientation:	
Personal Development	3
Home Economics 11—Clothing	5
Art 11—Creative	5
Laboratory Science	10
TOTAL	47

SECOND YEAR

English 21, 22—Sophomore English	10
Physical Education	3
Home Economics 12—Family Meal	
Planning and Serving	5
Home Economics 21—Home Planning	
and Decorating	5
Home Economics 24—Family	
Fundamentals	5
Social Studies	10
Science Electives	6
Mathematics 10 or 16	5
TOTAL	49

CONCENTRATION—HOME ECONOMICS

TERMINAL

This course is designed to meet the needs of those women who plan to complete their college work at Armstrong. Sufficient electives are allowed to enable the student to select commerce subjects which have a vocational value or cultural subjects for worthy use of leisure time.

FIRST YEAR		SECOND YEAR	
English 11, 12, 13—Freshman English	9	English 21, 22—Sophomore English	10
History 11, 12, 13—Western Civilization	9	Physical Education	3
Physical Education	3	Home Economics 21—Home Planning and Decorating	5
Natural Science (Human Biology included)	10	Home Economics 24—Family Fundamentals	5
Home Economics 10b—Orientation: Personal Development	3	Home Economics 12—Family Meal Planning and Serving	5
Home Economics 11—Clothing	5	Electives	20
Psychology 21—Introductory	5		
Elective	4		
TOTAL	48	TOTAL	48

CONCENTRATION—PHYSICAL EDUCATION SENIOR COLLEGE PREPARATORY

The Physical Education Department is qualified to provide the first two years of preparation for a major in the field of health and physical education for those students planning to enter the field of physical education or supervised recreation.

FIRST YEAR		SECOND YEAR	
English 11, 12, 13—Freshman English	9	English 21, 22—Sophomore English	10
History 11, 12, 13—Western Civilization	9	Physical Education	3
Physical Education 11, 12, 13	3	Anatomy and Physiology 1n, 2n, 3n	9
*Mathematics 10		**Physical Education 23—Senior Life Saving and Swimming	2
*Mathematics 16—College Algebra		Physical Education 14—Officiating of Basketball	2
*Mathematics 17—Trigonometry	10	Psychology 21—Introductory	5
Physics or Chemistry	12	Psychology 23—Child	5
Home Economics 1n—Nutrition	4	Sociology 21—Marriage and the Family	5
Electives	3	Electives	5
TOTAL	50	TOTAL	46

* The student may take either Mathematics 10 and Mathematics 16 or Mathematics 16 and Mathematics 17.

**The student is exempt from this course provided he has a Red Cross Senior Life Saving certificate.

CONCENTRATION—LIBERAL ARTS

SENIOR COLLEGE PREPARATORY

This program is recommended for candidates for an A. B. degree, pre-education, pre-law, pre-ministerial, journalism, and other pre-professional concentrations.

FIRST YEAR		SECOND YEAR	
English 11, 12, 13—Freshman English	9	English 21, 22—Sophomore English	10
History 11, 12, 13—Western Civilization	9	Physical Education	3
Physical Education 11, 12, 13	3	Two of the following courses:	10
Laboratory Science	10	History 25—Recent European	
Mathematics 16—College Algebra	5	Political Science 13—Gov't of U. S.	
Mathematics 17—Trigonometry	5	Psychology 21—Introductory	
*Foreign Language	10	Sociology 20—Introductory	
		Economics 21—Principles	
		*Science	10
		Electives	12
TOTAL	51	TOTAL	45

* A student applying for admission to a senior college which does not require the amount indicated of this subject may, with the approval of his adviser, substitute other courses required by the senior institution during his first two years.

CONCENTRATION—LIBERAL ARTS

TERMINAL

A student in the Liberal Arts, Terminal program may select the remainder of his electives from courses offered by the college in order to prepare for a vocation or to pursue a special interest.

FIRST YEAR		SECOND YEAR	
English 11, 12, 13—Freshman English	9	English 21, 22—Sophomore English	10
History 11, 12, 13—Western Civilization	9	Physical Education	3
Physical Education 11, 12, 13	3	*Electives	35
Natural Science	10		
Mathematics 10 or 16	5		
*Electives	12		
TOTAL	48	TOTAL	48

* A student must elect 20 hours from at least three of the following departments: Foreign Language, Political Science, Economics, Fine Arts, Home Economics, Psychology, Sociology, Mathematics (other than Math. 19).

ONE YEAR PROGRAMS

CONCENTRATION—BUSINESS ADMINISTRATION

A one year program in Business Administration with emphasis on business courses for those persons who may not wish to complete the

two year concentration. A certificate will be awarded to those who successfully complete the program.

Business Administration 24, 25, 26	15
Economics 21, 24	10
Business Administration 27	5
English	5
Mathematics	5
Physical Education	3
Elective	5
TOTAL	48

CONCENTRATION—TRANSPORTATION

Students who wish a thorough background in transportation may receive a one-year certificate upon satisfactory completion of this program.

Business Administration 151—Freight Rates and Tariffs	5
Business Administration 152—Motor Carrier Rates (elementary)	5
Business Administration 153—Advanced Freight Rates and Tariffs	5
Business Administration 154—Motor Carrier Rates (advanced)	5
Business Administration 155—Interstate Commerce Law	5
Economics 121 and 124—Principles and Problems	10
English 111-112-113—English Composition	9
or	
English 120 and 128	10
Elective	5
TOTAL	49 or 50

CONCENTRATION—ENGINEERING

SENIOR COLLEGE PREPARATORY

This program will satisfy degree requirements for the first year of most types of engineering but should be varied for certain degrees such as chemical, electrical, etc. The student should obtain a catalog from the senior college he plans to attend and check this program against the requirements. The courses required for the freshman year have been worked out in consultation with the Georgia Institute of Technology. A certificate will be awarded to those who successfully complete the program.

Chemistry 14, 15—General	12
English 11, 12, 13—Freshman	9
Engineering 11, 12—Drawing	6
Engineering 19—Descriptive Geometry	3
History 11, 12, 13—Western Civilization (or Modern Language)	9
Mathematics 16, 17, 18—College Algebra, Trigonometry and Analytic Geometry	15
Physical Education 11, 12, 13	3
TOTAL	57

CONCENTRATION—STENOGRAPHIC

A student who has only one year to spend in college may herein acquire some of the skills which will enable him to earn a livelihood.

Commerce 11 a, b, c—Typing	6
Commerce 12 a, b, c—Shorthand	15
Commerce 17—Office Practice	5
Business Administration 24—Accounting	5
English 20—Composition	5
English 28—Public Speaking	5
*Physical Education 11,12,13	3
Electives	5
TOTAL	49

* Physical Education is required in all one year terminal programs if a certificate is desired.

CONCENTRATION—NURSING

Armstrong College offers the following courses in cooperation with the Warren A. Candler School of Nursing. With the permission of the instructor and the approval of the student's adviser, a student not enrolled in the School of Nursing may take any of the following courses:

Anatomy and Physiology 1n, 2n, 3n	9
Chemistry 1n	5
Sociology 1n	5
Physical Education 1n	1
Bacteriology 1n, 2n	6
Home Economics 1n	4
Psychology 1n	5
TOTAL	35

Course Descriptions

GENERAL

Armstrong College reserves the right to (1) withdraw any course for which less than ten students register, (2) limit the enrollment in any course or class section, (3) fix the time of meeting of all classes and sections, and (4) offer such additional courses as demand and staff personnel warrant.

No credit will be given in beginning courses in commerce and languages where the same or similar courses have been presented for admission from high school.

Where two or more courses are listed under one description, no credit for graduation will be given until the sequence is completed.

Courses which are offered in the day program are assigned a number which is less than 100. All Evening College courses are numbered above 100. In course descriptions this number appears in parentheses. After each course name, there are three numbers in parentheses. The first number listed is the number of hours of lecture; the second, the number of hours of laboratory and the third, the number of quarter hours of credit the course carries. For example: Biology 16-17 (116-117) Human Biology (5-0-5).

ART

Art 11—Creative Art (2-6-5). Spring.

Drawing, art principles and design with work in other media at the discretion of the instructor. Some application will be made to poster-making, lettering and everyday life needs.

Art 113—Ceramics (5-0-5). Each quarter. Laboratory fee, \$2.00.

A beginners course. Instruction is concerned with learning to handle clay, to form pottery and sculpture, and to decorate, glaze and fire the pieces made.

Art 114—Ceramics and Sculpture (5-0-5). Every quarter. Laboratory fee, \$2.00.

Instruction in methods of working with clay and glazes, plaster of paris and other materials. The creative approach to design in pottery and sculpture is emphasized.

Art 115—Drawing and Painting (5-0-5). Laboratory fee, \$2.00.

A course in the elements of pictorial composition, drawing and color. Basic work and experimentation will be conducted from still

life, natural forms, and living models. Combined with the studio work will be discussions and reviews in history and appreciation of art.

During latter course sessions, efforts will be made to provide special instruction to students desiring particular information on techniques and methods.

Art 115-a-b—Drawing and Painting (3-0-3). Summer. Laboratory fee, \$2.00.

A course in the elements of pictorial composition, drawing and color. Basic work and experimentation will be conducted from still life, natural forms, and living models. Combined with the studio work will be discussions and reviews in history and appreciation of art.

During the latter course sessions, efforts will be made to provide special instruction to students desiring particular information on techniques and methods.

Art 116—Drawing and Painting (5-0-5). Laboratory fee, \$2.00.

A continuation of Art 115.

BIOLOGY

*Anatomy and Physiology 1n-2n-3n** (2-2-3). Fall, Winter and Spring. Laboratory fee, \$2.50.

A three quarter course in human anatomy and physiology. The gross anatomy, some histology and physiology of the organ systems are presented in order to give the student an understanding of the human body as a basis for further studies in clinical nursing. The laboratory work includes some dissection of the lower vertebrates and elementary experiments in physiology.

Biology 14-A (114-A)—General Zoology (3-4-5). Fall and Winter. Laboratory fee, \$3.50.

Biology 14-B—General Zoology (3-6-6). Fall and Winter. Laboratory fee, \$3.50.

Introduction to animal structures and function and a survey of the invertebrate phyla. Laboratory work on representative species of each phylum.

Biology 15-A (115-A)—General Zoology (3-4-5). Winter and Spring. Laboratory fee, \$3.50. Prerequisite: Biology 14.

Biology 15-B—General Zoology (3-6-6). Winter and Spring. Laboratory fee, \$3.50. Prerequisite: Biology 14.

Study of vertebrate structure and function, using selected vertebrate material for laboratory dissection. Concludes with a study of the principles of Evolution and Genetics.

Biology 16-17 (116 117)—Human Biology (5-0-5). Winter and Spring.

This is a two quarter program designed for terminal students. Many colleges require a non-laboratory science for graduation and this course is designed to meet this requirement. It begins with a survey of the basic biological principles and continues with a study of the structure and function of the human body. The second quarter is primarily concerned with the principles of evolution and genetics.

Biology 22—Invertebrate Zoology (3-6-6). Spring. Laboratory fee, \$5.00. Prerequisite: Biology 14 and 15.

A concentrated study of the structure and function of invertebrates including their economic relation to man. Field trips included for natural habitat study.

Biology 23—Comparative Vertebrate Anatomy (3-6-6). Fall. Laboratory fee, \$5.00. Prerequisite: Biology 14 and 15.

A study of the anatomy and evolution of the organ systems of the vertebrates. Laboratory work on *Squalus*, *Necturus* and the cat.

Bacteriology 1n-2n (2-2-3).* Winter and Spring. Laboratory fee, \$2.50.

An introduction to micro-organisms as living organisms and as pathogens. The structure, life history and public health importance of representative viruses, bacteria, molds, protozoa and helminthes are considered. The laboratory work includes the techniques of culturing bacteria and the study of the scientific basis of antiseptic and aseptic procedures.

Biology 111—General Botany Procedures (5-0-5). Summer.

Study of the basic concepts in relation to all living plant organisms.

BUSINESS ADMINISTRATION

Business Administration 24—Principles of Accounting, Introductory (5-0-5).

An introduction to the fundamental principles and procedures of accounting, including a study of the journal, the ledger, accounting statements, controlling accounts, special journals and the accounting system.

Business Administration 124-a—Principles of Accounting, Introductory (3-0-3). Summer only. (B. A. 124-a and B. A. 124-b are identical to Business Administration 24 (124).

An introduction to the fundamental principles and procedures of accounting, including a study of the journal, the ledger, accounting statements, controlling accounts, special journals and the accounting system.

Business Administration 124-b—Principles of Accounting, Introductory (3-0-3). Summer only.

Continuation of Business Administration 124-a.

Business Administration 25—Principles of Accounting, Introductory (5-0-5). Winter. Prerequisite: Business Administration 24.

An application of accounting principles to certain problems such as the proprietorship, the partnership, the corporation, departmental operations, manufacturing accounts and the analysis of accounting statements.

Business Administration 125-a—Principles of Accounting, Introductory (3-0-3). Summer only. (Business Administration 125-A and Business Administration 125-b are identical to Business Administration 25 (125).

An application of accounting principles to certain problems such as the proprietorship, the partnership, the corporation, departmental operations, manufacturing accounts and the analysis of accounting statements.

Business Administration 125-b—Principles of Accounting, Introductory (3-0-3). Summer only.

Continuation of Business Administration 125-a.

Business Administration 34—Principles of Accounting, Intermediate (5-0-5). Spring. Prerequisite: Business Administration 25.

Basic accounting theory with emphasis on the various forms of business organization, assets, liabilities and reserves.

Business Administration 27 (127)—Business Law (5-0-5). Winter.

Contracts: offer and acceptance, consideration, performance, rights of third parties and discharge. Agency: creation of an agency, liabilities of principal and agent. Negotiable instruments: elements of negotiability, endorsement and transfer, liabilities of parties, discharge.

*These courses are transferrable to senior colleges toward a B. S. in Nursing.

Prerequisite: Business Administration 27.

Business Administration 28 (128)—Business Law (5-0-5). Spring.

Partnership: formation, powers, liabilities of partners, termination. Corporation: formation, powers, rights of security holders, types of securities. Sales: vesting of title, warrants, remedies.

Business Administration 115—Business Correspondence (5-0-5). Fall.

A study of business correspondence, letters, information reports, follow-up sales programs, statistical analysis and inter-office communications. Stress is placed upon the mastery of fundamentals of clear writing.

Business Administration 129—Cost Accounting (5-0-5). Spring.
Prerequisite: Business Administration 125.

Methods of determining and distributing costs in manufacturing and other concerns, stressing the securing of unit costs under both the order and the process methods.

Business Administration 131—Retail Advertising and Sales Promotion (5-0-5).

A course in retail advertising and sales promotion basically concerned with selling in the retail fields—emphasizing the psychology of advertising as a branch of sales. The course explores the various media and culminates with direct sales approaches. Primarily an advertising course, it can be easily tailored to meet the needs of the average salesman.

Business Administration 132-a-b—Salesmanship (3-0-3).

A course covering the essential principles of the selling functions. It includes the preparation for the interview as well as presentation of the canvass. Methods of the approach of the prospect are given attention.

Business Administration 141—50 hours of Intensive Review of Accounting Principles and Theory. (Non-Credit).

Special interest is given to certain problems and questions which have been used in past examinations of the American Institute of Accountants.

Business Administration 142—50 hours of Accounting Theory and Practice. (Non-Credit).

A continuation of Business Administration 141.

Business Administration 143—Auditing Theory. (Non-Credit). (50 hours of instruction.) A review of auditing theory and practice.

Business Administration 144—Business Law (Non-Credit).

(50 hours of instruction.) A study of business law with emphasis on the American Institute of Accountants' Examination Questions on Business Law.

Business Administration 151—Classification of Freight (5-0-5).

The history of transportation rate structures, the construction of rate structures, the form of publishing rates; including the field of commercial transportation from the viewpoint of shipper, railroad, motor carriers, and water carriers.

Business Administration 152—Motor Carrier Rates (5-0-5).

The cost of and the understanding of the freight rate tariffs. This course through practical application gives the student the fundamental know-how relative to determining rates and interpreting rules and regulations.

Business Administration 153—Advanced Freight Rates and Tariffs (5-0-5).

A more advanced knowledge of the rates and tariffs of rail carriers. An opportunity to work with the tariffs in the "checking of rail rates." Important for those working in traffic departments of industrial or business concerns.

Business Administration 154—Advanced Motor Carrier Rates (5-0-5).

This course concentrates on sectional tariffs, combination rates, certain arrangements where storage-in-transit is accorded, and methods employed in determining transcontinental rates and problems. Actual cases are studied and solved.

Business Administration 155—Interstate Commerce Law (5-0-5).

This course familiarizes the student with the vast body of law covering the major aspects of interstate commerce and traffic management. Deals with problems of car supply, services, rates, claims, and other subjects. Reviews what courts have held to be the rights and duties of carriers and shippers or users of carrier services.

CHEMISTRY

Chemistry 1n—Chemistry for Nurses (4-2-5). Fall. Laboratory fee, \$2.50. Laboratory breakage, \$3.00.*

Principles of inorganic, organic and physiological chemistry with some special applications to nursing practice.

Chemistry 14 (114)—*General Inorganic* (5-3-6). Winter. Laboratory fee, \$3.50. Laboratory breakage fee, \$3.00.* Pre-requisite: Two years of high school algebra, Mathematics 10 or its equivalent.

The chemistry of some important metallic and non-metallic element including a systematic treatment of chemical principles and their applications. Chemistry 14 and 15 are identical to Chemistry 16, 17 and 18.

Chemistry 15 (115)—*General Inorganic* (5-3-6). Spring. Laboratory fee, \$3.50. Laboratory breakage fee, \$3.00.* Prerequisite: Chemistry 14 or its equivalent.

Continuation of Chemistry 14.

Chemistry 16—General Inorganic (3-3-4). Fall. Laboratory fee, \$2.50. Laboratory breakage fee, \$3.00.* Pre-requisite: Two years of high school algebra, Mathematics 10 or the equivalent.

The chemistry of some important metallic and non-metallic elements including a systematic treatment of chemical principles and their applications.

Chemistry 17—General Inorganic (3-3-4). Winter. Laboratory fee, \$2.50. Laboratory breakage fee, \$3.00.* Prerequisite: Chemistry 16.

Continuation of Chemistry 16.

Chemistry 18—General Inorganic (3-3-4). Spring. Laboratory fee, \$2.50. Laboratory breakage fee, \$3.00.* Prerequisite: Chemistry 17 or its equivalent.

A continuation of Chemistry 16 and 17.

Chemistry 24 (124)—*Qualitative Inorganic Analysis* (3-6-6). Fall. Laboratory fee, \$5.00. Laboratory breakage fee, \$5.00.* Prerequisite: Chemistry 15, 18 or its equivalent.

A study of the fundamental theories of qualitative analysis of common cations and anions by semi-micro methods.

*Refundable at the end of each quarter if no items have been lost or damaged.

Chemistry 25a—Quantitative Inorganic Analysis (2-3-3). Winter. Laboratory fee, \$3.00. Laboratory breakage fee, \$5.00.* Prerequisite: Chemistry 24 or approval of the instructor.

A study of the fundamental theories and application of quantitative analysis involving volumetric and gravimetric methods with the emphasis placed on the volumetric methods. No credit is given for this course before completion of Chemistry 25b.

Chemistry 25b—Quantitative Inorganic Analysis (1-6-3). Spring. Laboratory fee, \$3.00. Laboratory breakage fee, \$5.00. Prerequisite: Chemistry 25a or its equivalent.

The continuation of Chemistry 25a.

COMMERCE

Commerce 11a (111a) Beginning Typing (0-5-2). Fall and Winter. Laboratory fee, \$3.50.

This course consist of introductory instruction in the technical features and care of the machine, position, fingering, proper technique and mastery of the keyboard. An average speed of 35 words a minute is attained at the end of the first quarter.

Commerce 11b (111b)—Beginning Typing Continued (0-5-2). Winter and Spring. Laboratory fee, \$3.50.

This course is a continuation of speed development. In addition, instruction in typing letters and setting up simple tabulation is given.

An average of 45 words a minute should be attained at the end of the second quarter.

Commerce 11c (111c)—Intermediate Typing (0-5-2). Spring. Laboratory fee, \$3.50. Prerequisite: Commerce 11a-b or equivalent.

A typewriting course in which emphasis is placed on speed building and accuracy. Special typing problems such as business letters, minutes, notices, stencil cutting and carbon copies are stressed.

Commerce 12a-b (112a-b)—Beginning Shorthand (5-0-5). Fall and Winter.

Complete theory of Gregg Shorthand in the manual. Additional reading and dictation given from Speed Studies.

Commerce 12c (112c)—Intermediate Shorthand (5-0-5). Spring

*Refundable at the end of each quarter if no items have been lost or damaged.

Dictation and transcription of new and studied material. Student is required to take dictation at the rate of eighty words a minute.

Commerce 13a—Burroughs Calculator and Comptometer (0-5-2). Fall. Laboratory fee, \$3.50.

The objective of this course is to build speed and accuracy in the operation of the Burroughs Calculator and Comptometer and a thorough review of business mathematics. This quarter is devoted to the operation of the four fundamentals in arithmetic on the calculator.

Commerce 13b—Burroughs Calculator and Comptometer (0-5-2). Winter. Laboratory fee, \$3.50.

The following business mathematics is reviewed and applied on the machine during this quarter: decimal equivalents, split division, invoicing over the fixed decimal, percentages, discounts, and chain discounts, costs, selling and rate of profit.

Commerce 13c—Burroughs Calculator and Comptometer (0-5-2). Spring. Laboratory fee, \$3.50.

The third quarter is a continuation of business problems on the machine. The transactions covered are reciprocals figuring grain, cipher, divisions, prorating cost and expenses, gross and dozen in invoicing inventories.

Commerce 17—Office Practice (5-0-5). Spring.

Typical business office situations are duplicated as nearly as possible. Practical problems deal with typing, operation of the mimeograph, filing and office courtesy.

Commerce 21a—Advanced Typing (0-5-2). Fall. Laboratory fee, \$3.50. Prerequisite: Commerce 11c or equivalent.

Advanced typing is a course in the acquisition of speed and accuracy including various legal forms and papers, manuscripts and business papers.

Commerce 21b—A continuation of Commerce 21a (0-5-2). Winter. Laboratory fee, \$3.50.

Commerce 21c—A continuation of Commerce 21b (0-5-2). Spring. Laboratory fee, \$3.50. An average of 60 words a minute is attained.

Commerce 22a—Advanced Shorthand (5-0-5). Fall. Prerequisites: Commerce 12a, b, c.

A course in which the principles of Gregg Shorthand are applied in developing skill and accuracy in writing shorthand and in transcrib-

ing. The first half year is devoted to dictation of general business material; the second half, to dictation material applying to major vocations.

Commerce 22b—A continuation of Commerce 22a (5-0-5). Winter.

Commerce 22c—A continuation of Commerce 22b (5-0-5). Spring.
A speed of 120 words a minute is required.

Commerce 23a—Advanced Calculator and Comptometer (0-5-2).
Fall. Laboratory fee, \$3.50.

The next two quarters are devoted to the application of the machine and business mathematics to the following businesses: drugs, hardware, electrical, plumbing, contracting, wholesale paper, pay roll, packing house, creameries and dairies, laundries, steel and iron, department stores banks, lumber, petroleum, railroads.

Commerce 23b—A continuation of Commerce 23a (0-5-2). Winter.
Laboratory fee, \$3.50.

Commerce 23c—Advanced Calculator and Comptometer (0-5-2).
Spring. Laboratory fee, \$3.50.

Speed, skill and accuracy in the operation of the machine are stressed in this last period.

ECONOMICS

Economics 21 (121)—Principles of Economics (5-0-5). Fall and Summer.

A study of the principles behind the economic institutions of the present time and an examination of some of the economic problems in the modern world.

Economics 24 (124)—Problems of Economics (5-0-5). Spring.
Prerequisite: Economics 21.

A study of economic problems based upon the principles studied in Economics 21.

Economics 130—Personnel Administration (5-0-5). Spring. Pre-requisites: Elementary Psychology and Economics.

A study of the principles and practices in the field of the administration of human relations and industry. Emphasis is given to scientific techniques and devices in the development of a well-rounded personnel program.

ENGINEERING

Engineering 11 (111)—Engineering Drawing (0-6-3). Fall.

Topics of study include lettering; the use of the instruments; orthographic projection; auxiliary views; sections and conventions.

Engineering 12 (112)—Engineering Drawing (0-6-3). Winter.
Prerequisite: Engineering 11.

Topics of study include drawing conventions; dimensions; pictorial representation; threads and fastenings; shop processes; technical sketching; working drawings; pencil tracing on paper, reproduction processes.

Engineering 13 (113)—Engineering Drawing (0-6-3). Spring.
Prerequisite: Engineering 12.

Topics of study include technical sketching of piping and fittings; working drawings; ink tracing on cloth; working drawings from assemblies and assemblies from working drawings.

Engineering 19 (119)—Applied Descriptive Geometry (0-6-3). Spring. Prerequisite: Engineering 12.

Topics of study include the solution of problems involving points, lines, and planes by use of auxiliary views; the solution of problems involving points, lines, and planes by revolution methods; simple intersections; developments of surfaces; an introduction to warped surfaces. Practical applications are emphasized.

Engineering 26—Plane Surveying (1-3-2). Summer. Prerequisite: Mathematics 17.

The theory of practice in chaining, differential and profile leveling, traversing, topographic surveying, reduction and plotting of field notes and mapping.

ENGLISH

English 11—Freshman English (3-0-3). Fall and Spring.

A survey of Western Literature, in which books are read complete, rather than in selections; a review of grammar and practices in written English is also undertaken. English 11-12-13 integrates with History 11-12-13 for the entire Freshman year. The discussion method is consistently used throughout the year.

English 12—A continuation of English 11 (3-0-3). Fall and Winter.

English 13—A continuation of English 12 (3-0-3). Spring and Winter.

English 20—Grammar and Composition (5-0-5). Fall.

A general review of grammar, composition and vocabulary. The students will have practice in writing themes, making oral reports, and in writing business letters. Several books will be assigned for outside reading and discussion.

English 21 (121)—Sophomore English—A Survey of World Literature (5-0-5). Fall and Winter.

This course is designed to give the students a knowledge of the principal works of certain major writers, such as Shakespeare, Goethe, Ibsen and poets of the nineteenth century. The last part of the course is devoted to the study of a number of modern American dramas, and modern British and American poetry.

English 22 (122)—A continuation of English 21 (5-0-5). Winter and Spring.

English 24—An introduction to Poetry (5-0-5). Spring.

A study of the various types and forms of poetry with special emphasis on more recent poetry.

English 25—American Literature (5-0-5). Fall.

A survey of American Literature and culture. Each student is asked to select one particular period or area or author for concentration, making reports and writing papers in that phase of the work. The course is primarily conducted by reading and discussion.

English 27—Reading Modern Drama (5-0-5). Winter.

Class reading and discussion of dramas. The plays will not be acted. The course is centered on appreciation of drama, diction, and reading ability.

English 28 (128)—Public Speaking (5-0-5). Spring.

Fundamental principles involved in group discussion and the preparation and delivery of original speeches for formal occasions. The physiology of speech is included.

English 111x—Freshman English (5-0-5). Fall, Spring and Summer.

This course covers a review of punctuation and the fundamentals of grammar, theme writing, and vocabulary building. Also the student reads and discusses selections from the works of the most prominent literary figures of the Western World.

English 112y—A continuation of English 111x (5-0-5). Winter and Summer.

Selections from the works of the following authors will be read: Homer, Sophocles, Chaucer, Montaigne, Cellini, Voltaire, Chekov, Hardy, as well as those of certain English Romantic poets.

FRENCH

French 11-12 (111-112)—Elementary French (5-0-5). Fall and Winter.

A course for beginners. The spoken language is studied as well as grammar and reading.

French 21 (121)—Intermediate French (5-0-5). Fall and Spring. Prerequisite: Two quarters of college French or two years of high school French.

Review grammar oral practice, reading of selected texts.

French 22 (122)—Intermediate French, continued (5-0-5). Winter. Prerequisite: Three quarters of college French or three years of high school French.

Further reading of texts, oral and composition practice.

French 23—French Literature of the Nineteenth Century (5-0-5). Prerequisite: French 22. (Not offered in 1954-1955.)

A survey course. Reading of texts, written and oral reports on collateral reading.

French 24—French Classical Drama (5-0-5). Spring. Prerequisite: French 22.

Selected plays of Corneille, Moliere and Racine.

GERMAN

German 111—Elementary German (5-0-5). Fall.

Elements of the grammar, reading of simple texts and speaking. German records, films and photographs.

German 112—Intermediate German (5-0-5). Winter.

Grammar, more reading of selected texts and speaking. German records, films and photographs.

German 121—Advanced German (5-0-5). Spring.

Grammar review. Reading of short stories and German magazines. Composition and conversation. German records, films and photographs.

HISTORY

History 11—An Historical Introduction to Contemporary Civilization (3-0-3). Fall and Spring.

This course comprises a chronological survey of the main currents of political, social, religious and philosophical activity in Western Civilization from the period of the sixth century in Greece to the present time.

History 12—A continuation of History 11 (3-0-3). Fall, Winter.

History 13—A continuation of History 12 (3-0-3). Winter, Spring.

In addition to a chronological treatment of events studied in the above courses, the dynamics of Western Civilization are studied in works of the following authors: Plato, Lucretius, St. Augustine, Dante, Machiavelli, Descartes, Locke, Jefferson, Rousseau, Adam Smith, Ricardo, Malthus, Bentham, Marx and others.

History 11-12-13 are required of all students seeking an Associate degree from Armstrong College of Savannah and are designed to be complementary with English 11-12-13.

History 25 (125)—Recent European History (5-0-5). Spring.

This course is designed to provide an opportunity for detailed study of major national and international developments in European affairs from about 1870 to the present time. Special emphasis is devoted to the first World War and new developments in Europe following that war and the complex of world events which preceded the Second World War.

History 26 (126)—Recent American History (5-0-5). Fall and Winter.

This course has as its purpose the examination of the most important events and movements political, social and cultural, in American life from about 1900 to the present time.

History 111x—An Historical Introduction to Contemporary Civilization (5-0-5). Fall, Spring and Summer.

This course comprises a chronological survey of the main currents of political, social, religious and philosophical activity in Western

Civilization from the period of the sixth century in Greece to the present time.

History 112y—A Continuation of History 111x (5-0-5). Winter and Summer.

In addition to a chronological treatment of events studied in the above courses, the dynamics of Western Civilization are studied in works of the following authors: Plato, Lucretius, St. Augustine, Dante, Machiavelli, Descartes, Locke, Jefferson, Rousseau, Adam Smith, Ricardo, Malthus, Bentham, Marx, and others.

HOME ECONOMICS

Home Economics 10a—Orientation: Careers (3-0-3). Fall.

The many opportunities available in the field, such as food specialists, nutrition experts, nursery school teachers, marriage counselors and others will be discussed. Professional experts in these fields will visit the class to show the many vocations dealing with the home.

Home Economics 10b—Orientation: Personal Development (3-0-3). Winter.

How to be more attractive through personal grooming and what is appropriate in manners and dress on various social occasions are emphasized.

Home Economics 1n—Nutrition and Food Preparation (3-2-4). Winter. Laboratory fee, \$4.00.

A study of the laws governing the food requirements of human beings for maintenance of growth, activity, reproduction, and lactation. Complete meals are prepared and served in each laboratory period.

Home Economics 11—Clothing (2-6-5). Fall.

Planning and making individual wardrobes. Fashions, design and fabrics are studied. Laboratory fee, \$1.00.

Home Economics 12—Foods (3-4-5). Spring. Laboratory fee, \$7.00.

This course is based on the human food needs. Preparation and attractive serving of meals is studied.

Home Economics 21—Home Furnishings (4-2-5). Fall. Laboratory fee, \$2.50.

The interior and exterior planning of the home is studied. Emphasis is placed on styles of furniture, color and decoration fabrics used in the home.

Home Economics 23—Elementary Textiles and Clothing for the Family (2-6-5). Winter. Laboratory fee, \$1.00.

Practical application of elementary textile study to the selection and use of clothing for the family.

Home Economics 24—Family Fundamentals (5-0-5). Spring.

A course in the family with the problems that one faces in the preparation for children and the adjustment to these children.

MATHEMATICS

Mathematics 10 (110)—*Basic Skills in Mathematics* (5-0-5).

(Not open to students who have high school credit for two years of algebra and one of plane geometry.)

This course provides an opportunity for the student to acquire basic skills in mathematics necessary to meet the common demands of various college programs.

Topics from plane geometry include the properties of such geometric figures as polygons, triangles and circles.

Topics from algebra include fractions, signed numbers, linear equations, ratio, proportions, variation, elements of finance and graphs.

Mathematics 16 (116)—*College Algebra* (5-0-5). Fall and Spring. Prerequisite: Two years of high school algebra and one of plane geometry, or Mathematics 10.

The course consists of functions and graphs, logarithms, linear and quadratic equations, the binomial theorem, complex numbers and the elementary theory of equations.

Mathematics 17 (117)—*Trigonometry* (5-0-5). Fall and Winter. Prerequisite: Mathematics 16.

A course covering the solution of the right and general triangle, the general solution of trigonometric equations, trigonometric identities, polar coordinates.

Mathematics 18 (118)—*Plane Analytic Geometry* (5-0-5). Winter and Spring. Prerequisite: Mathematics 17.

Analytic geometry of the point and the line, elementary conic sections, polar coordinates, transcendental curves and transformation of coordinates.

Mathematics 19 (119)—*Mathematics of Finance* (3-0-3). Spring. Prerequisite: Mathematics 16.

This course gives that background necessary for dealing with problems found in banking, real estate, financing, and accounting; the operation of the compound-interest law in business; simple problems concerning bonds, sinking funds, valuation of properties and annuities. Practical problems in these fields will be emphasized. The necessary aids and shortcuts and use of tables and logarithms will be studied.

Mathematics 21 (121)—Differential Calculus (5-0-5). Fall. Prerequisite: Mathematics 18.

Theory of differentiation, with application to tangents; maxima and minima, rates, curvature, velocity and acceleration, approximations, and Newton's method.

Mathematics 22 (122)—Integral Calculus (5-0-5). Winter. Prerequisite: Mathematics 21.

Formulas and methods of integration, single integration applied in areas and lengths; volumes and surfaces of revolution; centroids and moments of inertia; pressure and work.

Mathematics 99 — Intermediate Algebra for College Students. (5-0-5). Fall and Spring. (Not offered in 1954-1955.)

A study of the fundamental operations of algebra together with factoring, fractions, linear equations, exponents and radicals, quadratic equations, graphical methods, ratio and proportion, and functional notation.

MUSIC

Music 11—Elementary Theory and Sight Reading (5-0-5). Fall. (Not offered 1953-1954.)

A course designed to teach the student to read music at sight and to understand the fundamental principles of music theory. Melodic dictation, melody writing and an introduction to elementary harmony are included.

Music 12—Theory and Harmony (5-0-5). Winter. Prerequisite: Music 11. (Not offered 1953-1954.)

A continuation of Music 11, with emphasis on harmony, harmonic dictation, four-part harmonic writing.

Music 20—Music Appreciation (5-0-5). Spring.

A course designed to help the student understand and enjoy great music. Several works will be analyzed in detail as to form and structure. A text will be used for factual background; class time being concentrated on brief exposition of themes followed by listening to records.

Music and composers from the Early Christian period up through the modern period will be studied.

Music 115-116-117—Appreciation of Music (2-0-2). Fall, Winter and Spring.

Courses designed for the musically untrained who wish an intelligent understanding of the arts of music. Lectures, discussions and recorded listening sessions comprise the course.

Music 121-122-123—Class Voice (2-0-2). Fall, Winter and Spring.

Group instruction in fundamentals of voice production, articulation, diction, breath control, physical and mental poise, applied in the study of songs.

Music 124-125-126—Class Piano (2-0-2). Fall, Winter and Spring. (Not offered in 1954-1955.)

Group instruction in the fundamentals of piano-playing with emphasis on practical application. The study of piano material appropriate to the level of the individual student.

PHILOSOPHY

Philosophy 111-112-113 (2-0-2) Introduction to Philosophy. Fall, Winter and Spring.

An informal discussion of the thinking of certain Greek, Roman, Early Christian, Renaissance and modern writers.

Philosophy 114-115-116 (2-0-2) Seminar in Philosophy. Fall, Winter and Spring. (Not offered in 1953-54.)

Seminar in philosophy discussing the ideas as developed in the writings of Plato, Aristotle, Suetonius, Montaigne, Pascal, de Tocqueville, Freud, Reisman, Lawrence, and others.

PHYSICAL EDUCATION

Physical Education 11—Conditioning Course (0-3-1). Fall.

Consists of calisthenics, stunts and tumbling, lifts and carries, road work, dual combatives, and simple games.

Physical Education 12—Team Sports (0-3-1). Winter.

Consists of basketball, soccer, speedball and volleyball.

Physical Education 13—Elementary Swimming (0-3-1). Spring.

Physical Education 14—Officiating of Basketball (1-3-2). Winter. Prerequisite: P. E. 12 or the equivalent.

Consists of a study of rules interpretation and actual experience in coaching and officiating in class and intramural games. Elective credit, except when substituted for P. E. 12.

Physical Education 20—First Aid and Safety Education (4-0-3). Winter.

The American Red Cross standard course in first aid is followed by a broad consideration of the opportunities for safety teaching in the school program.

Physical Education 21—Elementary Tennis (0-3-1). Fall.

Physical Education 22 — Elementary Boxing for Men (0-3-1). Winter.

Physical Education 23—Senior Life Saving and Instructors' Course in Swimming (2-3-2). Spring.

Physical Education 24—Boxing for Teachers (2-3-2). Winter.

Physical Education 25—Folk Rhythms (0-3-1). Fall.

Physical Education 26 — Modern Dance for Women (0-3-1). Winter.

Physical Education 27—Tap Dance for Beginners (0-3-1). Winter.

Physical Education 28—Adult Recreative Sports (0-3-1). Spring.

Consists of passive, semi-active and active games and sports which have carry-over value for later life.

Physical Education 29—Folk Rhythms for Teachers (2-3-2). Fall.

This course consists of advance training in folk dances and practice teaching of those dances.

Physical Education 30—Archery (0-3-1). Spring.

PHYSICAL SCIENCE

Physical Science 11 (111). (4-2-5). Fall. Laboratory fee, \$2.50. No prerequisite.

A study of the scientific method and its use in the attempt of man to describe and explain the nature of the physical universe. This will include the study of fundamentals of physics and astronomy with some example of the applications of this knowledge in providing a better living for man. An attempt is made to go from the study of the large universe to the study of the small fundamental particles of which this universe is composed.

Physical Science 12 (112). (4-2-5). Winter. Laboratory fee, \$2.50. Laboratory breakage fee, \$3.00.* Prerequisite: Physical Science 11.

A continuation of Physical Science 11. In this course emphasis is placed on the study of the principles of inorganic and organic chemistry with some example of the application of chemistry in household, industry, medicine, biology, geology, etc. Here the knowledge of the structure of the fundamental particles of matter (atoms and molecules) is used in the study of the classification of the simple components of matter (elements) and the changes which they undergo to form more complex substances (compounds).

*Refundable at the end of the quarter if no equipment is lost or broken.

PHYSICS

Physics 11 (111)—General Physics (5-2-6). Winter. Laboratory fee, \$2.50. Prerequisite: a course in college mathematics or consent of the instructor.

Lectures, demonstrations, recitations and laboratory work covering the fields of mechanics and heat.

Physics 12 (112)—General Physics (5-2-6). Spring. Laboratory fee, \$2.50. Prerequisite: Physics 11 or consent of the instructor.

Lectures, demonstrations, recitations and laboratory work covering the fields of electricity, sound and light.

POLITICAL SCIENCE

Political Science 12 (112)—The Governments of Foreign Powers (5-0-5). Summer and Winter.

A study is made of the leading modern political theories, and attention is paid to the structure and powers of the major foreign governments.

Political Science 13 (113)—Government of the United States (5-0-5). Fall and Spring.

A study is made of the structure, theory, workings of the national government in the United States and some of the major problems of the state and local government. The course shows how developmental practice has created our government as it stands today.

PSYCHOLOGY

Psychology 1n (5-0-5).

This course is an introduction to the study of human behavior with

emphasis on the underlying principles of mental adjustments. The importance of the nurse's own personality is stressed.

Psychology 21 (121)—*Introductory Psychology* (5-0-5). Fall and Winter.

In this course human behavior is analyzed into its elementary functions of learning, feeling, thinking, maturation, motives and conflicts. Facts and principles from scientific research in psychology are used for understanding these functions and for measuring individual differences in ability, personality and development. Standardized experiments and the student's own experiences are used to explore and apply the facts in this field.

Psychology 22 (122)—*Social Psychology* (5-0-5). Spring. Prerequisite: Psychology 21.

This course provides a study of the interactions between the individual and his social groups. Basic psychological process of sensory-perceptual behavior, motivation, learning and thinking are studied as they affect an individual's adjustment to the social groups and institutions of our culture. Special attention is given to a study of group membership, leadership, development of attitudes and values, public opinion, propaganda, prejudice and other inter-group tensions.

Psychology 23 (123)—*Child Psychology* (5-0-5). Spring. Prerequisite: Psychology 21.

This course offers a study of the developmental factors operating in a child's experience which make for, or interfere with, effective expression of his capacities and adjustments to life situations. Sources are drawn from experimental research and from findings of analytic psychology. Direct observation of children individually and in a nursery is used as a course of class discussion.

Psychology 25 (125)—*Psychology of Adjustment*. (5 0-5). Fall.

The class setting is used in this course for direct experience of the use of group discussion for self-understanding. This is supplemented by systematic written self-analysis.

SOCIAL SCIENCE

Social Science 101—*Current World Affairs* (2-0-2).

Film discussion class covering the national problems of various countries, their trade, ambitions, and fears; their resources and economies examined and considered in relation to America's own outlook and interest.

Social Science 104—*Contemporary Georgia* (5-0-5). Summer.

A study of current economic and social statistics as pertaining to agriculture, industry, and commerce; population trends, and governmental organization and problems.

SOCIOLOGY

Sociology 1n—Elementary Sociology (5-0-5). Fall.

This course considers (1) the principles of sociology; (2) the nurse as a citizen of the community and as a professional worker; (3) the importance of the hospital among the social agencies in the community; (4) the patient in the hospital coming from the family and returning to the family.

Sociology 20 (120)—Introductory Sociology (5-0-5). Winter.

A study of the principles of social organizations in American culture based on scientific studies of groups, "races," population and of the institutionalized functions of society.

Sociology 21 (121)—Marriage and the Family (5-0-5). Winter and Spring.

This course introduces the family as an institution in various cultures as a setting for studying the institutional characteristics of the modern American family. This is followed by analysis of personality development basic to mature marital love, choice of a mate, marital adjustment, parenthood, family administration, and sociological trends for family stability, family disorganization and adjustment of the aging.

SPANISH

Spanish 111-112—Elementary (5-0-5). Fall and Winter.

These courses are for the purpose of providing the student with the elements of Spanish reading, composition and conversation.

Spanish 121—Intermediate Spanish (5-0-5). Fall and Spring.

This course gives the student an opportunity to review the elements of Spanish grammar and to delve into the fine points of the language.

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1955-1956 BULLETIN



Armstrong College of Savannah

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SAVANNAH, GEORGIA

For Reference

Not to be taken from this room

1955 - 1956

SUMMER

FALL

WINTER

SPRING

BULLETIN OF

Armstrong College

of Savannah

A City Supported Junior College
SAVANNAH, GEORGIA



18346

Membership In

American Association of Junior Colleges
Southern Association of Colleges and Secondary Schools
Association of Georgia Colleges
Georgia Association of Junior Colleges

VOLUME XX

NUMBER 1

ARMSTRONG COLLEGE
LIBRARY

CALENDAR FOR 1955 - 1956

SUMMER SESSION — EVENING COLLEGE 1955

FIRST TERM

Registration	Monday, June 13
Classes begin	Tuesday, June 14
Last day to register for credit	Friday, June 17
Mid-term reports due	Friday, July 1
Holiday	Monday, July 4
Examinations	Thursday, July 21

SECOND TERM

Registration	Monday, July 25
Classes begin	Tuesday, July 26
Last day to register for credit	Friday, July 29
Mid-term reports due	Friday, August 12
Examinations	Friday, September 2

FALL QUARTER

Freshman testing and Sophomore Counseling	Monday, September 12
Freshman Orientation and Registration	Tuesday thru Friday, September 13-16
Registration	Monday, September 19
Classes begin	Tuesday, September 20
Last day to register for credit	Friday, September 23
Mid-term reports due	Friday, October 21
Thanksgiving holidays	Thursday thru Sunday, November 24-27
Pre-registration	Wednesday through Friday, November 30-December 2
Examinations	Wednesday through Friday, December 7-9
Basketball game	Saturday, December 10
Reception and dance	Monday, December 19
Christmas holidays	Monday, December 12 thru Sunday, January 1

WINTER QUARTER

Registration	Monday, January 2
Classes begin	Tuesday, January 3
Last day to register for credit	Friday, January 6
Mid-term reports due	Friday, February 3
Pre-registration	Monday through Wednesday, February 27-29
Examinations	Monday through Wednesday, March 12-14
Spring holidays	Thursday through Wednesday, March 15-21

SPRING QUARTER

Registration	Thursday, March 22
Classes begin	Friday, March 23
Last day to register for credit	Wednesday, March 28
Mid-term reports due	Friday, April 27
Pre-registration Summer and Fall quarters	Wednesday thru Friday, May 16-18
Examinations	Monday through Wednesday, June 4-6
Sophomore Beach Party	Friday, June 8
Graduation	Tuesday, June 12

Administration

THE COLLEGE COMMISSION

HERSCHEL V. JENKINS	Chairman
WILLIAM MURPHEY	Vice-Chairman
WILLIAM A. EARLY, <i>Ex-officio</i>	LEE MINGLEDORFF, JR., <i>Ex-officio</i>
H. LEE FULTON, JR., <i>Ex-officio</i>	JOHN F. PIDCOCK, <i>Ex-officio</i>
VICTOR B. JENKINS	DR. HELEN SHARPLEY
HERBERT L. KAYTON	HARRY T. SHORE, JR., <i>Ex-officio</i>
FRED WESSELS, JR.	

ADMINISTRATIVE STAFF AND FACULTY

FOREMAN M. HAWES, A.B., M.S.	President
ARTHUR M. GIGNILLIAT, A.B., M.A., Ph.D.	Vice-President and Director of The Evening College
JULE C. ROSSITER, Associate in Arts	Secretary & Treasurer
M. LORRAINE ANCHORS, A.B., M.A.	Registrar
W. ORSON BEECHER, A.B., M.A., Emory University; M.A., University of Georgia	Instructor in History
WILLIAM L. BELL, B.S. in Education, Georgia Teachers College; Grad- uate Study, George Peabody College for Teachers	Basketball Coach and Instructor in Physical Education for Men
* *STEPHEN P. BOND, Bachelor of Science and Architecture, Georgia Institute of Technology	Instructor in Engineering
ARTHUR W. CASPER, B.S., Beloit College; M.S., University of Wisconsin, M.S., University of Georgia	Instructor in Mathematics and Physics
LAMAR W. DAVIS, B.S. and M.S., University of South Carolina; Cer- tified Public Accountant	Instructor in Business Administration
JOSEPHINE SIMMONS DENMARK, B.S., Georgia Teachers College; M.S. in H.E., University of Georgia	Instructor in Home Economics
JOSEPH W. GREEN, A.B., Birmingham-Southern College; M. A., Van- derbilt University; Graduate Study toward a doctorate, Vander- bilt University	Instructor in English

ESSIE DUNCAN JENKINS, Owensboro Business College, Kentucky.
Instructor in Typing

JANE KEAN, Valdosta State College
Clerical Assistant in the Registrar's Office

JOSEPH I. KILLORIN, A.B., St. Johns College; M.A., Columbia University
Instructor in History

MARGARET SPENCER LUBS, B.M., Converse College; A.B., University
of Georgia; M.A., Columbia University
Instructor in French and English

VIRGINIA MATTSON, Dickinson College, Junior College Certificate
Assistant to the Librarian

ELMO M. MCCRAY, JR., B.S., and M.S., University of Alabama
Instructor in Biology

CLAUDIA MCPIPKIN, Certificate in Secretarial Course, Armstrong Col-
lege of Savannah
Clerical Assistant in the Registrar's Office

HELEN MEIGHEN, Taylor's Business College
Secretary to the Vice-President

JOHN MORRIS, B.S. in Engineering, Princeton University; M.S. in
Chemical Engineering, Georgia Institute of Technology
Instructor in Chemistry

MARJORIE A. MOSLEY, Associate in Finance and Commerce, Armstrong
College of Savannah
Secretary to the President

JACK H. PADGETT, A.B., Wofford College; M.A., University of North
Carolina
Instructor in Mathematics

** JAMES HARRY PERSSE, B.F.A., University of Georgia; Master of Music,
Florida State University
Director of the Glee Club and Faculty Advisor for Student Publications

JACK PORTER, A.B., George Peabody College for Teachers; M.A., Uni-
versity of North Carolina
Instructor in English and Director of the Armstrong Masquers

JO ANNE ROUKOS, Certificate in Secretarial Course, Armstrong College
of Savannah
Clerical Assistant in the Business Office

**Part-time instructor

RAY ROWLAND, A.B., Mercer University; Master of Librarianship,
Emory University

Librarian

DOROTHY THOMPSON, A.B., Monmouth College; M.A., Northwestern
University; Certificate of Psychiatric Social Work, Western Re-
serve University

Instructor in Psychology and Sociology

CARMEN TORRIE, B.S., Concord College; M.S., University of Tennessee

Director of Athletics and Instructor in Physical Education

DOROTHY MORRIS WADE, B.S., University of Tennessee

*Instructor in Physical Education for Women and
Acting Director of the Physical Education Program*

GLADYS NICHOLS ZILCH, Diploma from the Gregg School of Chicago

Instructor in Commerce

MINNIE MCG. CAMPBELL, Diploma from the Banks Secretarial School

Clerical Assistant in the Registrar's Office

ELIZABETH POUND, Georgia State College for Women, State Teachers
College

Director of the Student Center

ARMSTRONG EVENING COLLEGE INSTRUCTORS

TOMMY W. ADAMS, B.S. in Business Administration, Berry College

Instructor in Commerce

DAVID A. BARKLEY, General Agent Acme Fast Freight

Instructor in Transportation and Traffic Management

WARE T. BEALL, A.B., M.S., Mercer University; Graduate Work, Univ.
of Wisconsin

Instructor in Mathematics

ERDMAN BOWE, A.B., Randolph-Macon Woman's College; M.A., Colum-
bia University

Instructor in Geography

RONALD F. BRUNSON, B.M.E., Clemson College

Instructor in Mathematics

SAMUEL A. CANN, A.B., L.L.B., University of Georgia

Instructor in Political Science

JAMES W. CARTER, A.B., University of Florida; Graduate Work, Uni-
versity of Florida

Instructor in English

- JAMES CHARBONNIER, A.B., B.S., Geneva College, Geneva University, Switzerland; B. D., Drew University; A. M., Yale University; Doctor of Letters, Geneva University
Instructor in French, German and History
- W. HOBART CHILDS, B.S., Wheaton College; Th.B., Th.M., Westminster Theological Seminary; S.T.M., Faith Theological Seminary
Instructor in Mathematics
- PHILLIP E. DALTON, B.A., University of Miami
Instructor in Psychology
- ORLANDO A. DIAZ, B.S., Phillips University; M.A., Phillips University
Instructor in Spanish
- DAVID FEIDELSON, B.A., Birmingham-Southern College; M.A., City College of New York
Instructor in English
- MICHAEL J. GANNAM, B.A., University of Georgia; M.A., University of North Carolina; LL.B., University of Georgia
Instructor in Political Science
- CLARE B. GRAY, B.A., Florida State University
Instructor in English
- FLORENCE F. GOODRICH, A.B., Hillsdale College; M.S.P.H., University of Michigan
Instructor in Sociology
- VIRGIL HALL, B.S. in N.A.&N.E., Massachusetts Institute of Technology
Instructor in Mathematics
- ROBERT G. HATTWICK, B.A., Ohio State University; M.B.A., Ohio State University; Ph.D., Florida State University
Instructor in Psychology
- JULIA F. HERING, B.S., Florida State University; M.A., Florida State University
Instructor in History
- JOE GARLAND HIGGS, B.S.C.E. University of Tennessee; M.S.C.E., Purdue University
Instructor in Mathematics
- ROSA B. HOPSON, A.B., Middlebury College; M.A., University of Georgia; Certificate from Sorbonne University
Instructor in English and French
- VIRGINIA L. HUDSON, B.S., Education, Georgia State College for Women; M.A., Duke University
Instructor in History
- WARREN R. JONES, B.C.E., Georgia Institute of Technology
Instructor in Engineering Drawing
- PATRICK J. KELLEY, Assistant General Traffic Manager, Benton Rapid Express
Instructor in Transportation and Traffic Management

MARY HOWARD LEBEY, A.B., Winthrop College; M.S.S.W., University of North Carolina

Instructor in Sociology

ALBERT R. MARKS, JR., B.S., University of North Carolina; Certified Public Accountant

Instructor in Business Administration

JOHN FLEETWOOD MOORE, Savannah Traffic Bureau

Instructor in Transportation and Traffic Management

JOSEPH C. MULLER, B.B.A., University of Georgia

Instructor in Commerce

CHRISTOPHER B. MURPHY, JR., Student Beaux Arts Institute and The Art Students' League, New York

Instructor in Drawing and Painting

MARGARET A. MURPHY, A.B., University of Georgia; Advanced Study, Columbia University

Instructor in Ceramics

ROBERT A. PORTER, A.B., Duke University; M.S.S.W., School of Social Work, Richmond Professional Institute of the College of William and Mary

Instructor in Psychology

HAROLD J. REEVES, B.S., Brown University; M.B.A., University of Pennsylvania

Instructor in Business Administration

MARION J. RICE, A.B., Emory University, M.A., Emory University

Instructor in Political Science

BART E. SHEA III, B.S., University of Alabama; LL.B., Emory University

Instructor in Business Administration

HOWARD SMITH, B.S., Georgia Teachers College

Instructor in English

PAUL A. STEIN, B.B.A., The College of the City of New York; Certified Public Accountant

Instructor in Business Administration

ROBERT I. STROZIER, A.B., Graduate Study, University of Georgia

Instructor in English

MARY E. SUTTON, B.A., University of Georgia

Instructor in Economics

LOUIS A. THOMPSON, M.B.A., LL.B., University of Georgia; Certified Public Accountant

Instructor in Business Administration

JOSEPH ZELNIGHER, A.B., D.D.S., New York University

Instructor in Chemistry



THE ARMSTRONG BUILDING — ADMINISTRATIVE OFFICES

General Information

HISTORY AND ORGANIZATION

Armstrong College of Savannah was founded on May 27, 1935, by the Mayor and Aldermen of the City of Savannah to meet a long-felt need for a junior college. The first college building was the magnificent home of the late George F. Armstrong, a gift to the city from his widow and his daughter. The former home, now called the Armstrong Building, is an imposing structure of Italian Renaissance architecture; inside, its spacious rooms and marble halls lend an air of dignity; while outside it is one of the most beautiful college buildings in the South.

Over the years, through private donation and public appropriation, the campus has been enlarged until now it includes four additional buildings: the Lane Building, a gift of the late Mills B. Lane, prominent banker; John W. Hunt Memorial Building in which are located the Student Center, the Home Economics Program, the Women's Lounge, the Dancing Studio, and the Music Room; Herschel V. Jenkins Hall, which contains the auditorium, theater for the Armstrong College Masquers, and class rooms; and Thomas Gamble Hall, site of science lecture rooms and laboratories.

Three of the buildings face forty-acre Forsyth Park, the most beautiful park in the city; the other two face Monterey Square, one of the carefully planned squares for which Savannah is famous.

Hodgson Hall, across from Forsyth Park on Whitaker Street, contains the college library as well as the Library of the Georgia Historical Society, to which Armstrong students have access.

The college is under the control of a commission of six members, appointed by the Mayor. In addition, the commission includes as ex-officio members the Mayor, the Chairman of the Chatham County Board of Education, the Chairman of the County Commissioners, the Superintendent of the Board of Education, and the President of the Savannah Chamber of Commerce.

Except for the war years, enrollment has shown a steady increase. At present the total number of students in the day and evening programs is approximately nine hundred and fifty.

AIMS

The college seeks to serve the community by giving the men and women who attend its classes a better understanding of the world in which they live and the experience of adapting knowledge to meet the obligations and responsibilities of citizenship.

The student may complete one or more of the following specific objectives.

1. Complete the freshman and sophomore years of the

four-year senior college program leading to the baccalaureate degree;

2. Finish two years of pre-professional work leading toward medicine, dentistry, law, home economics, the ministry and other professions;
3. Graduate from a semi-professional program, prepared to go into business or industry;
4. Complete the first year of an engineering program which is transferable for credit to colleges of engineering.

The college awards the degree of Associate in Arts to students completing an approved program.

ADMISSION TO THE COLLEGE

(For dates see calendar on page 2)

A student planning to enter Armstrong will obtain from the Registrar an "Application for Admission Card." The student will complete and return this form to the Registrar's office. *Request the High School Principal, or the College Registrar (in the case of a transfer student), to send a transcript of credits to the Registrar's Office, Armstrong College of Savannah, Savannah, Georgia.*

Having checked the student's records for compliance with the minimum requirements for admission, the Registrar's office will send a notice to the student that he has been admitted to the college, together with certain physical examination forms which must be completed and returned before the student can complete registration. The applicant will be notified of the dates of the freshman placement examinations. These tests do not affect a student's entering Armstrong, but will enable the faculty advisers to assist him in selecting a program of study upon entrance. *Students are required to take these test measurements before registration is completed.*

REQUIREMENTS FOR ADMISSION

There are two methods of admission to Armstrong College: either by certificate or by examination.

BY CERTIFICATE

1. A candidate for admission to Armstrong College of Savannah

by certificate must be a graduate of an accredited high school with at least fifteen units of credit.

2. No subject-matter units are prescribed. The high school program should be of such nature as to give satisfactory preparation for beginning college studies. Subjects which may be expected to contribute to this end are English composition, literature, natural science, history and other social studies, foreign languages, and mathematics. The right is reserved to reject any applicant whose high school program does not indicate adequate preparation for college work.

3. A record of high school credits earned by the applicant should be made out on the proper forms by an official of the high school and mailed directly to the Office of the Registrar. This certificate becomes the property of the college and cannot be returned to the applicant.

4. Three units in mathematics are a pre-requisite for admission to the freshman class in engineering.

BY EXAMINATION

Students beyond high school age, who do not meet the above requirements for admission by certificate, may take the General Educational Development tests (high school level). The student will be admitted to college on the basis of his score. These tests should be completed at least one week before registration. Additional information may be secured from the Registrar's office.

ADMISSION TO ADVANCED STANDING

Advanced credit will be allowed for work done in other institutions of proper rank and standing and in certain cases for training received in the Armed Service. Credit toward graduation from transfer institutions will be accepted if the student has a general average of "C" for all college work completed. To receive a diploma from Armstrong College of Savannah, a student must be in attendance taking a normal study load for two quarters, earn a "C" average and, in addition, must satisfy the requirements of a particular course of study. Adults (students over 21 years of age) may receive credit for certain college work on the basis of the General Educational Development tests (college level).

ADMISSION OF VETERANS

Armstrong College of Savannah will accept veterans who are not high school graduates if their official General Educational Development tests show scores that indicate the applicant's ability to do college work. A Certificate of Eligibility and Entitlement (VA Form No. 7-1993) is

required of every veteran who attends this institution under Public Law 550 (Korean Bill), application for which may be completed at the Veterans Administration office in the Blun Building, Savannah, Georgia. Immediately upon receipt of certificate from the Veterans Administration, the student should contact the college business office regarding processing of certificate and future monthly reports.

All veterans attending Armstrong under Public Law 346 must present a certificate of eligibility the first time they register at Armstrong College. A veteran who has not obtained a certificate of eligibility prior to registration will be required to pay cash, which may be refunded by the Business Office upon receipt of the certificate. All veterans attending Armstrong under Public Law 550 should be prepared to pay tuition and fees at time of registration.

ADMISSION OF SPECIAL STUDENTS

Adults who are interested in enrolling in courses for their intrinsic value but who do not wish college credit may be enrolled as special students. Requirements pertaining to entrance examinations, physical examinations, and physical education do not apply to these students.

TRANSIENT STUDENTS

A student regularly enrolled in another college may register at Armstrong as a transient student with the permission of his dean or advisor. For such a student, entrance requirements are waived.

FEES

Tuition will be charged as follows for Armstrong College Courses:

For 12-17 quarter hours—\$55.00.

For each quarter hour *less than* 12 quarter hours—\$4.60.

For each quarter hour *in excess* of 17 quarter hours—\$4.60.

Students will be allowed registration day and the day after in which to complete registration. After these two days, a late registration fee of \$3.00 will be charged on the first day, \$4.00 on the second day and \$5.00 on the third day.

Anyone wishing to audit a non-laboratory course (but not receive college credit) may do so with permission of the instructor by paying a fee of \$10.00 per course.

The tuition for University of Georgia Extension courses is \$5.60 per quarter hour. A registration fee of \$1.00 per student per quarter will be charged for University of Georgia Extension courses.

A graduation fee of \$7.50 will be collected from each candidate for graduation.

Any student delinquent in the payment of any fee due the college will have grade reports and transcripts of records held up, and will not be allowed to re-register at the college for a new quarter until the delinquency has been removed.

Each student leaving Armstrong College is entitled to one official transcript of his college work. The charge for additional copies is \$1.00 each.

An activity fee of \$5.00 each quarter will be charged all day students who are registered for 10 quarter hours or more. This fee is not charged Evening College students unless they wish to participate in the regular activity program of the college.

Students taking laboratory work will be required to pay a fee for materials and equipment. This fee is indicated in the description of courses found under "Course Descriptions" elsewhere in this bulletin.

A fee of \$2.00 is charged for make-up tests of announced quizzes with the following exceptions:

- (1) Illness which is certified by a medical doctor.
- (2) A death in the family.
- (3) Absences incurred while on official business for the college.

Any student who desires to take more than 17 quarter hours per quarter must have the approval of his adviser and a "B" average.

Refunds of fees and tuition will be made *ONLY* upon written application for withdrawal from school. No refunds will be made to students dropping a course. The schedule of refunds is given below:

WITHDRAWAL SCHEDULE

	WITHDRAWAL DATES	AMOUNT DUE TO COLLEGE
First Session Summer Quarter, 1955	June 13, 14, 15	20% of gross registration fees
	June 16, 17	40% of gross registration fees
	June 20, 21, 22	60% of gross registration fees
	June 23, 24.	80% of gross registration fees
Second Session, Summer Quarter, 1955	July 25, 26, 27	20% of gross registration fees
	July 28, 29	40% of gross registration fees
	August 1, 2, 3	60% of gross registration fees
	August 4, 5.	80% of gross registration fees
Fall Quarter, 1955	Sept. 19, 20, 21, 22, 23	20% of gross registration fees
	Sept. 26, 27, 28, 29, 30	40% of gross registration fees
	Oct. 3, 4, 5, 6, 7	60% of gross registration fees
	Oct. 10, 11, 12, 13, 14	80% of gross registration fees

Winter Quarter, 1956	Jan. 2, 3, 4, 5, 6	20% of gross registration fees
	Jan. 9, 10, 11, 12, 13	40% of gross registration fees
	Jan. 16, 17, 18, 19, 20	60% of gross registration fees
	Jan. 23, 24, 25, 26, 27	80% of gross registration fees
Spring Quarter, 1956	March 22, 23, 26, 27, 28	20% of gross registration fees
	March 29, 30, Apr. 2, 3, 4	40% of gross registration fees
	April 5, 6, 9, 10, 11	60% of gross registration fees
	April 12, 13, 16, 17, 18	80% of gross registration fees

ORIENTATION AND ADVISEMENT

The counseling and advisement service of Armstrong College of Savannah offers help in solving problems connected with the student's college program.

Students are urged to request help from their instructors when the difficulty is one concerned with the subject itself and having no complications. The areas with which the advisor is usually concerned are choice of vocation, the planning of work in college, study habits generally and personal adjustment to college life. Those problems which do not fit into these general categories either because of greater intensity or critical developments are referable to community agencies outside the college if this is agreeable to the student and his parents or guardians.

During the year 1952-53 the academic advisement of students was distributed among the entire faculty so that each instructor carried the responsibility for a proportionate number of the entire student body registered in the daytime program. Advisement interviews were scheduled with each student at least once a quarter and appointments for these interviews were mailed from the office of the President. These interviews were designed to aid the student in planning his program of work in college.

LIBRARY

The library of Armstrong College is housed in Hodgson Hall on the corner of Gaston and Whitaker Streets. All the materials are readily available to the students since all books are on open shelves. On the main floor is the reference room, with its many volumes of factual information. Downstairs is the reading room: this room contains fiction biography, books in foreign languages, current and bound volumes of periodicals. In addition, the reading room contains a radio-phonograph on which the students may hear their favorite records. The workroom and office of the Librarian are also downstairs.

The library includes books of general and for recreational reading. At the present time the library's holdings consist of a standard collection of books totaling over 13,500 volumes and an extensive collection of

pamphlets on subjects of current interest. More than one hundred periodicals are received, including four newspapers. In keeping with the purpose of the library to meet the needs of all the students, a beginning has been made toward a collection of recordings and art prints.

In addition to the resources of the college library the students have free access to the holdings of the Georgia Historical Society, also housed in Hodgson Hall. This library contains the most outstanding collection of materials on Georgia and its history as well as a large collection of materials on Southern history. The holdings of the Historical Society consist of more than ten thousand books, eighty periodical subscriptions, an extensive manuscript collection, and one of the most complete files of Savannah newspapers, dating back to 1763.

To further meet their needs, Armstrong students are encouraged to use not only the materials available at Hodgson Hall, but also the Savannah Public Library, which has much material of interest, such as its large collection of fiction, government documents and microfilm copies of newspapers.

ARMSTRONG EVENING COLLEGE

Fully accredited college classes are offered after 6:00 p.m., Monday through Friday. Classes meet one, two or three evenings a week, according to the amount of credit of the course.

Students not seeking degrees may enroll in courses on a non-credit basis.

It is possible to enroll for three courses on Monday, Wednesday and Friday between the hours of 6:00 and 10:30 p.m., or two courses on Tuesday and Thursday at 6:00 and 8:15 p.m.. However, students employed during the day are urged to limit their enrollment to one or two courses. Eighteen five-hour courses or the equivalent, are required for graduation. Students should complete programs of study required of candidates for graduation listed elsewhere in this Bulletin under "Curriculums."

The dates for refunds in the case of withdrawal listed in this Bulletin are applicable. When a student is enrolled in more than one course, no refund is allowed for dropping a single course. Refunds are made only in case of withdrawal from the college.

The cost of tuition, etc., is covered under "fees." Student activity fees are not assessed evening college students unless they wish to participate in the regular activity program of the college.

Armstrong Evening College, as successor to the Savannah branch of the University of Georgia Off-Campus Center, began operation in June, 1951. During 1954-55 school year more than 600 students enrolled each quarter. Veterans are now attending under Public Laws 346 (World War II) and 550 ("Korean Veterans").

Qualified Armed Service personnel, currently on active duty, are attending with their tuition partially defrayed by the services. This is arranged through the unit education officer of the service affected.

Quarterly announcements of Evening College courses, instructors, etc., may be obtained by addressing requests to the Director, Armstrong Evening College, 447 Bull Street, Savannah, Georgia.

SENIOR COLLEGE COURSES

Through the Extension Division of the University of Georgia, Armstrong Evening College offers upper division courses which can be taken for credit, satisfying junior and senior-year requirements for the bachelor's degree. A minimum of one year of residence at the University is required to receive the bachelor's degree. The equivalent of one year of senior college work, however, may be completed through extension courses in residence at Armstrong College in certain degree programs. Instructors in the extension classes are approved by the heads of the departments at the University of Georgia. These courses then carry University credit and are recorded in the registrar's office at the University of Georgia. They are University of Georgia courses taught in Armstrong Evening College. (See photostat) See fee section for special charges for University of Georgia Extension courses.

In the past, the courses offered have been the core curriculum for the junior year leading toward the Bachelor of Business Administration degree. Also, income tax accounting, a second course in business law, personnel administration, and other advanced courses in economics and business administration have been offered as student demand indicated.

Junior and senior courses leading to the Bachelor of Arts degree are offered in English, literature, history, psychology and sociology. Other courses will be added if sufficient student requests warrant.

Courses required to qualify for State Department Teacher's certificates are sometimes offered as upper division courses. Local teachers are limited to ninety quarter hours of credit at the junior college level. State Department regulations requiring all courses in education be taught in teacher-training institutions prevent Armstrong College from offering any such courses for credit.

THE UNIVERSITY OF GEORGIA
OFFICE OF THE REGISTRAR
ATHENS, GEORGIA

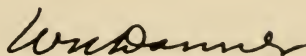
April 28, 1954

TO WHOM IT MAY CONCERN:

This is to advise that any student may use up to a maximum of 45 quarter hours credit completed through correspondence and extension courses toward a degree at the University of Georgia. This may be taken over and above the first two years of work whether these be completed at a junior college or a senior college.

Specifically, we will recognize without question up to 45 quarter hours credit completed in extension courses offered in a joint program sponsored by Armstrong College of Savannah and the Division of General Extension at the University of Georgia.

Cordially,



Walter N. Danner
Registrar

WND:cc

AUDIO-VISUAL INSTRUCTION

Certain classrooms of the college are equipped with screens for the showing of films. In the teaching of English, public speaking, foreign languages and music, visual aids are supplemented by recordings.

STUDENT ASSISTANTS

The college employs a number of student assistants each year. These students work in the library, science laboratories, business offices and with the faculty. Those who desire such employment should apply to the staff member who is in charge of the work in which he is interested or to the President of the college.

SCHOLARSHIPS

The scholarships which are available to students are listed below.

Application blanks may be secured from the President's office in the Armstrong College. Those who wish to apply for scholarships for the school year beginning in September should file an application in the President's office not later than July 15. All applicants are required to appear before an oral interview board during the month of August. Each applicant will be notified when to appear for this interview.

COMMISSION — 8 for \$100.00 each.

These are work scholarships. Students who hold them spend a few hours each week as assistants in the library, laboratory or in the administrative offices. In some instances it is possible to earn more than \$100.00 a year.

ARTHUR LUCAS MEMORIAL — 5 or \$100.00 each.

JUNIOR CHAMBER OF COMMERCE — 2 for \$100.00 each.

One is for a sophomore and one is for a freshman.

EDWARD McGUIRE GORDON MEMORIAL — 1 for \$200.00. (Men only are eligible to apply.)

SAVANNAH GAS COMPANY ENGINEERING — 1 for \$100.00. (Men only are eligible to apply).

SAVANNAH GAS COMPANY HOME ECONOMICS — 2 for \$100.00 each. (Women only are eligible to apply).

PLACEMENT SERVICE

The college maintains a placement service for the benefit of employers and students. Anyone seeking part-time employment while in college, or full-time employment after leaving college, should place his name on file with the Business Office.

COMMENCEMENT EXERCISES

Commencement exercises are held each year in June. At this time the degree of Associate in Arts is awarded to those students who have met the requirements for graduation, and recognition is given to those who qualify for scholastic honors. The Faculty and Graduates participate in full academic dress.

STUDENT CENTER

The college does not operate a boarding department. The Student Center in the Hunt Building is open throughout the day and provides light lunches at reasonable prices. The Center also provides recreational facilities and houses the Book Store.

STUDENT ACTIVITIES

The entire program of student activities at the college is designed to contribute to the development of the whole individual and to assist him in becoming an active and helpful member of the community. The college feels that students should take the responsibility for directing their own affairs. The senate is the governing student board of Armstrong College. This organization is made up of elected representatives of all student groups. It is the function of the Senate to co-

ordinate, direct and control student organizations and activities at Armstrong.

ATHLETICS

Basketball is the only sport in which the college fields an inter-collegiate team. All other sports at the college are on an intramural basis.

PHYSICAL EDUCATION PROGRAM

All regular day students, except veterans, are required to participate in a physical education program. Intramural competition is offered in such sports as basketball, volleyball, swimming, football, tennis, softball and pingpong. All are encouraged to take part in this program.

PUBLICATIONS

The college publishes the *Inkwell*, a newspaper; and the *Geechee*, a yearbook. These afford students an opportunity to express their opinions on a wide variety of topics, to do creative writing and gain practice in other journalistic activities.

THE ARMSTRONG COLLEGE MASQUERS

The Armstrong College Masquers, with a charter membership of over seventy students, was organized in the Fall of 1950, after the Savannah Playhouse separated from Armstrong College and was reorganized as The Little Theatre, Inc.

The Masquer organization's goal is to furnish enjoyment and appreciation of the drama for both participants and spectators through a balanced presentation of popular and classic theatre.

Masquer membership is open to all students interested in any phase of the theatre: acting, designing, lighting, make-up, costuming, and other production skills.

An affiliate of the Masquers is the Armstrong Radio Workshop, formed to offer interested students an opportunity to develop techniques of radio broadcasting.

GLEE CLUB

The Armstrong Glee Club was organized in September, 1949. Its members are drawn from the student body and faculty. Besides giving two complete concerts at the college, one at Christmas and one in the Spring, the group has sung for many civic groups in Savannah. The Glee Club has also produced musicals with the Armstrong Masquers.

General Regulations

ADVISEMENT AND PLACEMENT TESTS

To help a student select a definite objective early in his college program, the Armstrong staff administers to each entering freshman a series of interest, aptitude, and achievement tests. In the Fall, these are given during Freshman Week and are scored prior to the student's interview with an adviser. On the basis of these objective measurements, the student's previous record, his interest and his family counsel, the student with the aid of his adviser decides on a program of study which will enable him to accomplish his purpose.

PHYSICAL EXAMINATIONS

Each day school student must submit a completed physical examination report on the forms furnished by the college before he can complete his registration. A chest X-ray is also required. On the basis of the examination, the physical education director will adapt a program of training and recreation to individual requirements. This regulation is not applicable to students enrolled in the Evening College.

COURSE LOAD

The unit of work for a regular student is 16-17 quarter hours per quarter. A normal schedule of sixteen quarter hours presupposes that the average student will devote approximately forty-eight hours per week to his college classes and to his preparation therefor.

Except in engineering, permission to enroll for more than 17 quarter hours will be granted only to students who have a "B" average for the preceding quarter. The quarter just prior to graduation, a student may take an extra course which is necessary to meet requirements for graduation. No student will be allowed to register for more than 21 hours in any one quarter.

ADMISSION TO CLASS

Students will be admitted to class when the instructor is furnished an official class card indicating that he has completed his registration and paid his fees in the Business Office.

CONDUCT

Compliance with the regulations of the faculty and the Armstrong College Commission is assumed. The use on the campus of intoxicating beverages, gambling, and hazing are prohibited.

REPORTS AND GRADES

It is felt by Armstrong that students in college should be held

accountable for their own scholarship. Accordingly, report cards, warnings of deficient scholarship and other such notices are not sent out to parents or guardians by the college except on request. Instead the students themselves receive these reports and are expected to contact their advisers whenever their work is unsatisfactory. Report cards are issued at the end of each quarter. Reports of failing grades are issued in the middle of each quarter. Each student has access to an adviser and in addition, the Registrar, and all instructors are available to help and advise any student seeking assistance.

Reports are based on the following system of grading:

A plus	Exceptional	4 honor points per quarter hour
A	Excellent	3 honor points per quarter hour
B	Good	2 honor points per quarter hour
C	Fair	1 honor point per quarter hour
D	Poor	No honor points per quarter hour
E	Incomplete	Incomplete must be removed before mid term of the following quarter
F	Failure	Course must be repeated
W	Withdrew	Course must be repeated
W/F	Withdrew Failing	Course must be repeated

A student who receives an "E" (incomplete grade) should consult his instructor at once and arrange to complete the requirements of the course. An "E" grade which has not been removed by the middle of the succeeding quarter automatically becomes an "F". An "E" grade becomes an "F" if the course is repeated.

A student who receives an "E" grade in the Evening Program will have one year in which to complete the requirements of the course. If the "E" grade is not removed within this time, it automatically becomes an "F". An "E" grade becomes an "F" if the course is repeated.

HONORS

Students who have been in attendance for three consecutive quarters taking a normal load and achieving an average grade of "B" or better with no grade below that of "C" will be placed on the Permanent Dean's List. This list is published each June in the commencement program.

Graduates who meet the requirements for the Permanent Dean's List and who are graduating with an average of three honor points per quarter hour, will be designated as graduating summa cum laude (with highest distinction). The designation cum laude (with distinction) will be bestowed upon those meeting the above requirements with an average of two honor points per quarter hour.

A valedictorian will be selected by the graduating class from the

five students with the highest scholastic averages in the work completed before the term in which the students graduate.

Students taking a normal load who make a grade of "B" or better in each course during any quarter will be placed on the Dean's Scholastic Attainment List.

Students in the Evening Program taking 10 hours or more during any quarter who make a grade of "B" or better in each course will be placed on the Dean's Scholastic Attainment List.

ATTENDANCE

Students are expected to attend classes as scheduled. Any absence, whatsoever, from class work entails a loss to the student.

A student who has been absent from class for a valid reason should have the absence excused with a written statement to his instructor who will initial it. The student will then file this form in the Registrar's office. Excuses must be submitted within seven days from the date the student returns to school; otherwise the absence will not be excused.

A student who has unexcused absences equal in number to the times the class meets in one week, and has one additional unexcused absence, will be dropped from class. The instructors will notify the Registrar's office when a student should be dropped. The Registrar's office will notify the student. Grades assigned to those who have been dropped will either be W or W/F, depending on the status of the student at the time he is dropped from class.

Beginning with the Fall quarter of the 1955-56 session, students will be charged with absences incurred by late registration in the college as indicated in the current bulletin and these absences carry the same penalty as the other absences from a course.

Attendance at bi-weekly assemblies is required.

WITHDRAWALS

A formal withdrawal, presented to the President in writing, is a pre-requisite for honorable dismissal from, or re-entrance into, this institution. Any student planning to withdraw should immediately make such intentions known to the administration of the college in writing. This notice is required to receive any authorized refunds.

In order that a student may not receive a failing grade on his permanent record card in the Registrar's office, he should formally withdraw from any class which he discontinues by securing the instructor's written approval. This written approval should be filed in the Registrar's office.

DISMISSAL

Any student failing (except in cases excused before examinations on account of illness) to pass at least one course other than physical education in any one quarter will be dropped from the rolls of the college. Any student who fails to make an average of at least 0.6 honor points per quarter hour in all work scheduled during the first three quarters work at the college will not be allowed to re-register. Withdrawal is recommended to all students who have less than a "C" average at the end of the fourth quarter. At the end of the sixth quarter's work a student must have a 0.8 honor point per quarter hour average in order to re-register.

Students who have been asked to withdraw on account of academic deficiency will be re-admitted to Armstrong if the student goes to another college for one quarter and maintains a "C" average. If a student does not go to another college he may re-register at Armstrong after two quarters. He re-enters on probation for one quarter, during which quarter he must make a "C" average.

REQUIREMENTS FOR GRADUATION

The requirements for graduation from Armstrong College of Savannah are listed below:

1. The student will complete a program of study listed under "CURRICULUMS" with an average grade of "C". Any exceptions to a program may be referred by a student's advisor to the Committee on Academic Standing.
2. One-third of the work required for graduation will be completed at Armstrong College of Savannah.
3. Not more than one-fourth of the total work required for graduation will consist of correspondence course credit and credit for Armed Services Experience.

Candidates for graduation will make application in the Registrar's office two quarters prior to the expected date of graduation.

RECOMMENDATIONS

The recommendations issued by the college are based on the grades the student earns, his student activity record, and the opinions expressed by his instructors on a special student rating form.

The files of the Registrar's office which include all permanent records are consulted regularly by representatives of the Federal Bureau of Investigation, the Civil Service, the local Credit Bureau and other agencies having access to confidential records. A good college record is of vital importance to a student.

Curriculums

GENERAL

Before registration, the student should PLAN A PROGRAM OF STUDY WITH AN ADVISER. Even if a student knows what courses are required for graduation, he should have on record in the office of his adviser a copy of his program. In order for a student to make any changes in his planned program he must consult his adviser. The adviser and the Registrar will check a student's program and it will be approved two quarters prior to the expected date of graduation.

The Associate in Arts degree is conferred upon all students who complete at Armstrong College of Savannah one of the programs outlined in the catalog.

If a student plans to transfer to another institution either before or after graduation it is essential that he determine what courses must be completed at Armstrong in order to conform with the degree requirement of the institution to which he wishes to transfer.

THE CORE CURRICULUM

There are certain bodies of knowledge and certain skills indispensable to every college trained man and woman. The understanding of one's environment and man's struggle to adapt it to useful ends, the ability to communicate his thoughts and feelings; right group-attitudes and coordinated physical activity—these objectives are set up in the following courses required of all students desiring to graduate.

Freshman year: English 11-12-13 (111x-112y); History 11-12-13 (111x-112y); ten quarter hours of natural sciences, and Physical Education 11-12-13.

Sophomore year: Sophomore English and three quarters of physical education. Students enrolled in certain terminal courses described below may substitute English 20 and English 28 for English 21 and 22.

Students graduating in less than the six quarters of the regular session may reduce their physical education requirements accordingly. Physical education should be taken in the proper sequence and two courses should not be scheduled in any one quarter.

Concentration—Accounting

FIRST YEAR	
English 11, 12, 13—Freshman English 9	
History 11, 12, 13—Western Civilization	9
Physical Education 11, 12, 13	3
Science	10
Business Administration 24, 25 (Accounting)	10
Electives	7
TOTAL	48

Three-Year Terminal Program

SECOND YEAR	
English 20, 28 or English 21, 22	10
Physical Education	3
Economics 21, 24—Principles and Problems	10
Business Administration 27, 28—Business Law	10
*Electives	15
TOTAL	48

THIRD YEAR

Business Administration 34—Intermediate Accounting	5
Business Administration 36, 37—Income Tax Accounting	10
Business Administration 29—Cost Accounting or Business Administration 35—Intermediate Accounting	5
Economics 30—Personnel Administration	5
Mathematics	5
Electives	15
TOTAL	45

Concentration—Business Administration**General****Three-Year Terminal Program**

A student who cannot transfer to a senior college at the end of his second year may get a broader foundation for work as a supervisor or junior executive by completing the program below.

FIRST YEAR		SECOND YEAR	
English 111x, 112y,—Freshman English	10	English 121x, 122y—World Literature or English 128—Public Speaking and Business Administration 115—Business Correspondence	10
History 111x, 112y, Western Civilization	10	Business Administration 124, 125—Elementary Accounting	10
Natural Science	10	Business Administration 127 (E-370)—Business Law	5
Economics 121, 124	10	Business Administration and Commerce Electives	10
Elective	5	Free Electives	10

THIRD YEAR

Student will select with an advisor seven of the following subjects

Business Administration 128 (E-371)—Business Law (2nd course)	5
Business Administration 160 (E-350)—Principles of Management	5
Business Administration 161 (E-386)—Principles of Insurance	5
Business Administration 162 (E-390)—Real Estate Principles	5
Business Administration 151—Principles of Transportation	5
Business Administration 164 (E-431)—Investments	5

* Students planning to complete the three year program should substitute 10 hours in accounting for electives.

Economics 125 (E-312)—Elementary Economic Statistics	5
Economics 126 (E-333)—American Economic History	5
Economics 127 (E-326)—Money and Banking	5
Economics 128 (E-360)—Principles of Marketing	5
Economics 129 (E-386)—Labor Economics	5
Economics 131 (E-444)—Government and Business	5

CONCENTRATION		SENIOR COLLEGE PREPARATORY	
BUSINESS ADMINISTRATION*		SECOND YEAR	
FIRST YEAR		English 21, 22—Sophomore	
English 11, 12, 13—Freshman English	9	English	10
History 11, 12, 13—Western		Physical Education	3
Civilization	9	Business Administration—24, 25—	
Physical Education 11, 12, 13	3	Accounting	10
Laboratory Science	10	Economics 21, 24—Principles and	
Mathematics 16—College Algebra	5	Problems	10
Mathematics 19—Finance	3	Political Science 13—Govt. of U.S.	5
Electives	9	Electives	10
TOTAL	48	TOTAL	48

Concentration—Business Administration

Terminal

Many students will not continue their formal education after leaving Armstrong. To these students the college gives the opportunity to select those subjects which have a vocational value. Sufficient general education is included in the core curriculum to make this a well-rounded program.

FIRST YEAR		SECOND YEAR	
English 11, 12, 13—Freshman		English 21, 22—Sophomore English	
English	9	or English 20, 28	10
History 11, 12, 13—Western		Physical Education	3
Civilization	9	Business Administration 24, 25	
Physical Education 11, 12, 13	3	Accounting	10
Natural Science	10	Business Administration 27—	
Economics 21, 24—Principles		Business Law	5
and Problems	10	Business Administration and	
Electives	7	Commerce Electives	10
TOTAL	48	Typing	
		Calculator and Comptometer	
		Shorthand	
		Business Administration 26—	
		Intermediate Acct.	
		Business Administration 28—	
		Business Law	
		Electives (other)	10
TOTAL	48	TOTAL	48

Concentration—Industrial Management Senior College Prep.

This program will satisfy degree requirements for the first two years of this field of engineering.

* A student should consult the catalog of his prospective senior college for required subjects. Colleges differ as to what subjects are required for this course.

FIRST YEAR		SECOND YEAR	
Chemistry 14, 15—General	12	Economics 21, 24—Principles of	
English 11, 12, 13—Freshman	9	Economics and Problems of	
Engineering 11, 12—Drawing	6	Economics	10
Engineering 19—Descriptive		English 21, 22—Sophomore English	10
Geometry	3	Business Administration 24, 25—	
History 11, 12, 13—Western		Principles of Accounting	10
Civilization (or Modern		Physics 11, 12—General Physics	12
language)	9	Mathematics 19—Mathematics of	
Mathematics 16, 17, 18—College		Finance	3
Algebra, Trigonometry and		Biology 14A, 15A	10
Analytic Geometry	15	Physical Education	3
Physical Education 11, 12, 13	3		
TOTAL	57	TOTAL	58

Concentration—Science

Senior College Preparatory

This course of study is designed for those students who wish to major in the fields of Chemistry, Physics or Mathematics. At the time of registration the student must specify his major field, and it will be indicated at the time of graduation on the permanent record cards.

This program is so constructed that only slight variations are necessary to prepare a student for his particular major and it is the responsibility of each student to see that his program of study conforms to his senior college requirements. A minimum of 96 quarter hours is required for graduation.

FIRST YEAR		SECOND YEAR	
English 11, 12, 13—Freshman		English 21, 22—Sophomore	
English	9	English	10
History 11, 12, 13—Western		Physical Education	3
Civilization	9	Physics 11, 12—General	12
Physical Education 11, 12, 13	3	French or German	10
Mathematics 16—College Algebra	5	Electives and Major Requirements	
Mathematics 17—Trigonometry	5		
Elective and Major Requirements			

The above courses are required of all students enrolling in this concentration.

MAJOR REQUIREMENTS:

Major in Mathematics:	Chemistry 25—Quantitative Analysis
Mathematics 18—Plane Analytic	Mathematics 18—Plane Analytic
Geometry	Geometry
Chemistry or Biology (10 hrs.	Major in Physics:
minimum))	Mathematics 18—Plane Analytic
Major in Chemistry:	Geometry
Chemistry 14, 15—General Chemistry	Chemistry or Biology (10 hrs.
Chemistry 24—Qualitative Analysis	minimum)

Concentration—Medical Technology

Senior College Preparatory

This program is designed for those students who wish to obtain their first two years toward a Bachelor of Science in Medical Tech-

nology. An Associate in Arts is awarded upon successful completion of the academic program described below.

FIRST YEAR		SECOND YEAR	
English 11, 12, 13	9	English 21, 22	10
History 11, 12, 13	9	Physical Education	3
Physical Education 11, 12, and 13	3	Biology 23	6
Mathematics 16, 17	10	Chemistry 24, 25	12
Biology 14, 15	10	Physics 11, 12	12
Chemistry 14, 15	12	French or German	10
TOTAL		TOTAL	53

Concentration—Medical Technology

Terminal

This is a two year program designed for those students who wish to meet the requirements of the American Society of Clinical Pathologists and who will complete their training at some approved school of Medical Technology. An Associate in Arts is awarded upon successful completion of the academic program described below.

FIRST YEAR		SECOND YEAR	
English 11, 12, 13	9	English 21, 22	10
History 11, 12, 13	9	Physical Education	3
Physical Education 11, 12 and 13	3	Biology 23	6
Mathematics 16	5	Biology 22	6
Biology 14, 15	12	or	
Chemistry 14, 15	12	Bacteriology 1n, 2n	6
		Chemistry 24, 25	12
		Electives	10
TOTAL		TOTAL	47

Concentration—Pre-Dental

Senior College Preparatory

This program is designed for those students who wish to prepare themselves for the study of Dentistry after completing three or more years of academic studies. An Associate in Arts is awarded upon successful completion of the academic program described below.

English 11, 12, 13	9	English 21, 22	10
History 11, 12, 13	9	Physical Education	3
Physical Education 11, 12, 13	3	Biology 23	6
Mathematics 16, 17	10	Chemistry 24, 25	12
Biology 14, 15	10	Physics 11, 12	12
Chemistry 14, 15	12	French or German	10
TOTAL		TOTAL	53

Concentration—Pre-Medical

Senior College Preparatory

This program is designed for those students who wish to prepare themselves for the study of Medicine after completing three or more years of academic studies. An Associate in Arts is awarded upon successful completion of the academic program described below.

FIRST YEAR		SECOND YEAR	
English 11, 12, 13	9	English 21, 22	10
History 11, 12, 13	9	Physical Education	3
Physical Education 11, 12, 13	3	Biology 23	6
Mathematics 16, 17	10	Chemistry 24, 25	12
Biology 14, 15	10	Physics 11, 12	12
Chemistry 14, 15	12	French or German	10
TOTAL	53	TOTAL	53

Concentration—Pre-Nursing**Senior College Preparatory**

This is a one-year program for those students who wish to obtain their freshman requirements to be transferred to a school of nursing offering a B.S. in Nursing.

English 11, 12, 13	9
History 11, 12, 13	9
Chemistry 14	6
Mathematics 16	5
Physical Education 11, 12, 13	3
Any three of the following:	
English 28	
Political Science 13	
Psychology 21	
Sociology 20	15
TOTAL	47

Concentration—Pre-Optometry**Senior College Preparatory**

The requirements for admission to the schools and colleges of optometry in the United States are relatively uniform but are not identical. The practice of optometry in all states is regulated by Boards of Examiners in Optometry. The following concentration will prepare a student for transfer to any school or college of optometry in the United States and Canada.

FIRST YEAR		SECOND YEAR	
English 11, 12, 13	9	English 21, 22	10
History 11, 12, 13	9	Physical Education	3
Physical Education 11, 12, 13	3	Biology 23	6
Mathematics 16, 17	10	Physics 11, 12	12
Biology 14, 15	10	Mathematics 18	5
Chemistry 14, 15	12	Sociology & Psychology	10
TOTAL	53	TOTAL	46

Concentration—Pre-Pharmacy**Senior College Preparatory**

This is a one-year concentration for those students who wish to obtain their freshman requirements for entrance to a school of pharmacy. The regional schools of pharmacy require three years minimum in residence at the School of Pharmacy.

English 11, 12, 13	9
History 11, 12, 13	9

Chemistry 14, 15	12
Anatomy 1n, 2n, 3n	9
or	
Biology 16, 17	10
Physical Education 11, 12, 13	3
Mathematics 16	5

TOTAL

47 or 48

Concentration—Pre-Veterinary Senior College Preparatory

This is a one-year program for those students who wish to obtain their Freshman requirements to be transferred to a senior institution. Some colleges and universities require a veterinary student to begin specializing in his second year. If a student desires a well rounded foundation for the study of veterinary medicine it is recommended that he pursue the two year pre-Medical program.

English 11, 12, 13	9
History 11, 12, 13	9
Chemistry 14, 15	12
Biology 14, 15	10
Physical Education 11, 12, 13	3
Mathematics 16, 17	10

TOTAL

53

Concentration—Commerce Secretarial Terminal

This program is designed to meet the needs of those students who wish to qualify for clerical positions in business.

FIRST YEAR

SECOND YEAR

English 11, 12, 13—Freshman		Business Administration 24—	
English	9	Accounting	5
History 11, 12, 13—Western		*English 20—Composition	5
Civilization	9	Commerce 17—Office Practice	5
Physical Education 11, 12, 13	3	Commerce 21 a-b-c—Typing	6
Natural Science	10	Commerce 22 a-b-c—Shorthand	15
Commerce 11 a-b-c—Typing	6	*English 28—Public Speaking	5
Commerce 12 a-b-c—Shorthand	15	Physical Education	3

TOTAL

52

TOTAL

44

Concentration—Home Economics Senior College Preparatory

FIRST YEAR

SECOND YEAR

English 11, 12, 13—Freshman English 9		English 21, 22—Sophomore English 10	
History 11, 12, 13—Western		Physical Education	3
Civilization	9	Home Economics 12—Family Meal	
Physical Education 11, 12, 13	3	Planning and Serving	5
Home Economics 10a—Orientation:		Home Economics 21—Home Planning	
Careers	3	and Decorating	5
Home Economics 10b—Orientation:		Home Economics 24—Family	
Personal Development	3	Fundamentals	5
Home Economics 11—Clothing	5	Social Studies	10
Art 11—Creative	5	Science Electives	6
Laboratory Science	10	Mathematics 10 or 16	5

TOTAL

47

TOTAL

49

* English 21, 22 may be substituted for these English courses.

Concentration—Home Economics**Terminal**

This course is designed to meet the needs of those women who plan to complete their college work at Armstrong. Sufficient electives are allowed to enable the student to select commerce subjects which have a vocational value or cultural subjects for worthy use of leisure time.

FIRST YEAR		SECOND YEAR	
English 11, 12, 13—Freshman English	9	English 21, 22—Sophomore English	10
History 11, 12, 13—Western Civilization	9	Physical Education	3
Physical Education	3	Home Economics 21—Home Planning and Decorating	5
Natural Science (Human Biology included)	10	Home Economics 24—Family Fundamentals	5
Home Economics 10b—Orientation: Personal Development	3	Home Economics 12—Family Meal Planning and Serving	5
Home Economics 11—Clothing	5	Electives	20
Psychology 21—Introductory	5		
Elective	4		
TOTAL	48	TOTAL	48

Concentration—Physical Education Senior College Preparatory

The Physical Education Department is qualified to provide the first two years of preparation for a major in the field of health and physical education for those students planning to enter the field of physical education or supervised recreation.

FIRST YEAR		SECOND YEAR	
English 11, 12, 13—Freshman English	9	English 21, 22—Sophomore English	10
History 11, 12, 13—Western Civilization	9	Physical Education	3
Physical Education 11, 12, 13	3	Anatomy and Physiology 1n, 2n, 3n	9
*Mathematics 10		**Physical Education 23—Senior Life Saving and Swimming	2
*Mathematics 16—College Algebra		Physical Education 14—Officiating of Basketball	2
*Mathematics 17—Trigonometry	10	Psychology 21—Introductory	5
Physics or Chemistry	12	Psychology 23—Child	5
Home Economics 1n—Nutrition	4	Sociology 21—Marriage and the Family	5
Electives	3	Electives	5
TOTAL	50	TOTAL	46

Concentration—Liberal Arts**Senior College Preparatory**

This program is recommended for candidates for an A.B. degree, pre-education, pre-law, pre-ministerial, journalism, and other pre-professional concentrations.

* The student may take either Mathematics 10 and Mathematics 16 or Mathematics 16 and Mathematics 17.

**The student is exempt from this course provided he has a Red Cross Senior Life Saving certificate.

FIRST YEAR		SECOND YEAR	
English 11, 12, 13—Freshman English 9		English 21, 22—Sophomore English 10	
History 11, 12, 13—Western Civilization	9	Physical Education	3
Physical Education 11, 2, 3	3	Two of the following courses:	10
Laboratory Science	10	History 25—Recent European	
Mathematics 16—College Algebra	5	Political Science 13—Gov't. of U. S.	
Mathematics 17—Trigonometry	5	Psychology 21—Introductory	
*Foreign Language	10	Sociology 20—Introductory	
		Economics 21—Principles	
		*Science	10
		Electives	12
TOTAL	51	TOTAL	45

Concentration—Liberal Arts

Terminal

A student in the Liberal Arts, Terminal program may select the remainder of his electives from courses offered by the college in order to prepare for a vocation or to pursue a special interest.

FIRST YEAR		SECOND YEAR	
English 11, 12, 13—Freshman English 9		English 21, 22—Sophomore English 10	
History 11, 12, 13—Western Civilization	9	Physical Education	3
Physical Education 11, 12, 13	3	*Electives	35
Natural Science	10		
Mathematics 10 or 16	5		
*Electives	12		
TOTAL	48	TOTAL	48

Concentration—Transportation

As a communications center, Savannah offers many opportunities to students trained in traffic and transportation management. A Committee of experts from business, industry, the railroads and truck lines, in consultation with the evening college staff, proposed the professional classes listed below.

BA 151—Introduction to Transportation	5
BA 152—Elementary Rates and Tariffs	5
BA 153—Intermediate Rates and Tariffs	5
BA 154—Advanced Rates and Tariffs	5
BA 155—Interstate Commerce Law	5
BA 156—Interstate Commerce Commission and Public Service Commission Procedure	5
Economics 121 and 124—Principles and Problems	10
English 111x and 112y—Freshman English	10
English 121x and 122y—World Literature or English 128—Public Speaking and BA 115—Business Correspondence	10

* A student applying for admission to a senior college which does not require the amount indicated of this subject may, with the approval of his adviser, substitute other courses required by the senior institution during his first two years.

* A student must elect 20 hours from at least three of the following departments: Foreign Language, Political Science, Economics, Fine Arts, Home Economics, Psychology, Sociology, Mathematics (other than Math. 19).

History 111x and 112y—Western Civilization	10
Natural Sciences	10
Electives	10
TOTAL	90

One Year Programs

Concentration—Business Administration

A one year program in Business Administration for those persons who may not wish to complete the two year concentration, with emphasis on business courses. A certificate will be awarded to those who successfully complete the program.

Business Administration 24, 25, 34	15
Economics 21, 24	10
Business Administration 27	5
English	5
Mathematics	5
Physical Education	3
Elective	5
TOTAL	48

Concentration—Transportation

Fifty-hour Concentration in Transportation.

Students wishing a thorough background in transportation may receive a certificate upon satisfactory completion of the program that follows:

BA 151—Introduction to Transportation	5
BA 152—Elementary Rates and Tariffs	5
BA 153—Intermediate Rates and Tariffs	5
BA 154—Advanced Rates and Tariffs	5
BA 155—Interstate Commerce Law	5
BA 156—Interstate Commerce Commission and Public Service Commission Procedure	5
Economics 121 and 124—Principles and Problems	10
English 111x and 112y—Freshman English or English 128—Public Speaking and BA 115—Business Correspondence	10
TOTAL	50

Concentration—Engineering

Senior College Preparatory

This program will satisfy degree requirements for the first year of most types of engineering but should be varied for certain degrees such as chemical, electrical, etc. The student should obtain a catalog from the senior college he plans to attend and check this program against the requirements. The courses required for the freshman year have been worked out in consultation with the Georgia Institute of Technology. A certificate will be awarded to those who successfully complete the program.

Chemistry 14, 15—General	12
English 11, 12, 13—Freshman	9
Engineering 11, 12—Drawing	6
Engineering 19—Descriptive Geometry	3
History 11, 12, 13—Western Civilization (or Modern Language)	9
Mathematics 16, 17, 18—College Algebra, Trigonometry and Analytic Geometry	15
Physical Education 11, 12, 13	3
TOTAL	57

Concentration—Stenographic

A student who has only one year to spend in college may herein acquire some of the skills which will enable him to earn a livelihood.

Commerce 11 a, b, c—Typing	6
Commerce 12 a, b, c—Shorthand	15
Commerce 17—Office Practice	5
Business Administration 24—Accounting	5
**English 20—Composition	5
**English 28—Public Speaking	5
* Physical Education 11, 12, 13	3
Commerce 13a, b, c	6
TOTAL	50

Concentration—Nursing

Armstrong College offers the following courses in cooperation with the Warren A. Candler School of Nursing. With the permission of the instructor and the approval of the student's adviser, a student not enrolled in the School of Nursing may take any of the following courses:

Anatomy and Physiology 1n, 2n, 3n	9
Chemistry 1n	5
Sociology 1n	5
Physical Education 1n	1
Bacteriology 1n, 2n	6
Home Economics 1n	4
Psychology 1n	5
TOTAL	35

* Physical Education is required in all one year terminal programs if a certificate is desired.

**English 11, 12, and 13 may be substituted for English 20 and 28.

Course Descriptions

GENERAL

Armstrong College reserves the right to (1) withdraw any course for which less than ten students register, (2) limit the enrollment in any course or class section, (3) fix the time of meeting of all classes and sections, and (4) offer such additional courses as demand and staff personnel warrant.

No credit will be given in beginning courses in commerce and languages where the same or similar courses have been presented for admission from high school.

Where two or more courses are listed under one description, no credit for graduation will be given until the sequence is completed.

Courses which are offered in the day program are assigned a number which is less than 100. All Evening College courses are numbered above 100. In course descriptions these numbers appear in parentheses. After each course name, there are three numbers in parentheses. The first number listed is the number of hours of lecture; the second, the number of hours of laboratory and the third, the number of quarter hours of credit the course carries. For example: Biology 16-17 (116-117) Human Biology (5-0-5).

The quarters indicating when courses will be taught apply to the day sessions only, not the Evening College.

ART

Art 11—Creative Art (2-6-5). Spring.

Drawing, art principles and design with work in other media at the discretion of the instructor. Some application will be made to poster-making, lettering and everyday life needs.

Art 113—Ceramics (5-0-5). Each quarter. Laboratory fee, \$2.00.

A beginners course. Instruction is concerned with learning to handle clay, to form pottery and sculpture, and to decorate, glaze and fire the pieces made.

Art 114—Ceramics and Sculpture (5-0-5). Every quarter. Laboratory fee, \$2.00.

Instruction in methods of working with clay and glazes, plaster of paris and other materials. The creative approach to design in pottery and sculptor is emphasized.

Art 115—Drawing and Painting (5-0-5). Laboratory fee, \$2.00.

A course in the elements of pictorial composition, drawing and

color. Basic work and experimentation will be conducted from still life, natural forms, and living models. Combined with the studio work will be discussions and reviews in history and appreciation of art.

During latter course sessions, efforts will be made to provide special instruction to students desiring particular information on techniques and methods.

Art 115-a-b—Drawing and Painting (3-0-3). Summer. Laboratory fee, \$2.00.

A course in the elements of pictorial composition, drawing and color. Basic work and experimentation will be conducted from still life, natural forms, and living models. Combined with the studio work will be discussions and reviews in history and appreciation of art.

During the latter course sessions, efforts will be made to provide special instruction to students desiring particular information on techniques and methods.

Art 116—Drawing and Painting (5-0-5). Laboratory fee, \$2.00.

A continuation of Art 115.

BIOLOGY

Anatomy and Physiology 1n-2n-3n* (2-2-3). Fall, Winter and Spring. Laboratory fee, \$2.50.

A three-quarter course in human anatomy and physiology. The gross anatomy, some histology and physiology of the organ systems are presented in order to give the student an understanding of the human body as a basis for further studies in clinical nursing. The laboratory work includes some dissection of the lower vertebrates and elementary experiments in physiology.

Biology 14-A (114-A)—General Zoology (3-4-5). Fall and Winter. Laboratory fee, \$3.50.

Biology 14-B—General Zoology (3-6-6). Fall and Winter. Laboratory fee, \$3.50.

Introduction to animal structures and function and a survey of the invertebrate phyla. Laboratory work on representative species of each phylum.

Biology 15-A (115-A)—General Zoology (3-4-5). Winter and Spring. Laboratory fee, \$3.50. Prerequisite: Biology 14.

Biology 15-B—General Zoology (3-6-6). Winter and Spring. Laboratory fee, \$3.50. Prerequisite: Biology 14.

Study of vertebrate structure and function, using selected vertebrate material for laboratory dissection. Concludes with a study of the principles of evolution and genetics.

Biology 16-17 (116-117)—Human Biology (5-0-5). Winter and Spring.

This is a two-quarter program designed for terminal students. Many colleges require a non-laboratory science for graduation and this course is designed to meet this requirement. It begins with a survey of the basic biological principles and continues with a study of the structure and function of the human body. The second quarter is primarily concerned with the principles of evolution and genetics.

Biology 22—Invertebrate Zoology (3-6-6). Spring. Laboratory fee, \$5.00. Prerequisite: Biology 14 and 15.

A concentrated study of the structure and function of invertebrates including their economic relation to man. Field trips included for natural habitat study.

Biology 23—Comparative Vertebrate Anatomy (3-6-6). Fall. Laboratory fee, \$5.00. Prerequisite: Biology 14 and 15.

A study of the anatomy and evolution of the organ systems of the vertebrates. Laboratory work on *Squalus*, *Necturus* and the cat.

Bacteriology In-2n (2-2-3). Winter and Spring. Laboratory fee, \$2.50.

An introduction to micro-organisms as living organisms and as pathogens. The structure, life history and public health importance of representative viruses, bacteria, molds, protozoa and helminthes are considered. The laboratory work includes the techniques of culturing bacteria and the study of the scientific basis of antiseptic and aseptic procedures.

BUSINESS ADMINISTRATION

Business Administration 24 (124)—Principles of Accounting, Introductory (5-0-5).

An introduction to the fundamental principles and procedures of accounting, including a study of the journal, the ledger, accounting statements, controlling accounts, special journals and the accounting system.

Business Administration 124-a—Principles of Accounting, Introductory (3-0-3). Summer only. (B. A. 124-a and B. A. 124-b are identical to Business Administration 24 (124).)

An introduction to the fundamental principles and procedures of accounting, including a study of the journal, the ledger, accounting statements, controlling accounts, special journals and the accounting system.

Business Administration 124b—Principles of Accounting, Introductory (3-0-3). Summer only.

Continuation of Business Administration 124-a.

Business Administration 25 (125)—Principles of Accounting, Introductory (5-0-5). Winter. Prerequisite: Business Administration 24.

An application of accounting principles to certain problems such as the proprietorship, the partnership, the corporation, departmental operations, manufacturing accounts and the analysis of accounting statements.

Business Administration 125-a—Principles of Accounting, Introductory (3-0-3). Summer only. (Business Administration 125-a and Business Administration 125-b are identical to Business Administration 25 (125).

An application of accounting principles to certain problems such as the proprietorship, the partnership, the corporation, departmental operations, manufacturing accounts and the analysis of accounting statements.

Business Administration 125-b—Principles of Accounting, Introductory (3-0-3). Summer only.

Continuation of Business Administration 125-a.

Business Administration 27 (127)—Business Law (5-0-5). Spring.

Contracts: offer and acceptance, consideration, performance, rights of third parties and discharge. Agency: creation of an agency, liabilities of principal and agent. Negotiable instruments: elements of negotiability, endorsement and transfer, liabilities of parties, discharge.

Business Administration 28 (128)—Business Law (5-0-5). Spring. Prerequisite: Business Administration 27.

Partnership: formation, powers, liabilities of partners, termination. Corporation: formation, powers, rights of security holders types of securities. Sales: vesting of title, warrants, remedies.

Business Administration 34 (134)—Principles of Accounting, Intermediate (5-0-5). Spring. Prerequisite: Business Administration 25.

Basic accounting theory with emphasis on the various forms of business organization, assets, liabilities and reserves.

Business Administration 35 (135)—Intermediate Accounting (5-0-5). Second course. Prerequisite: Business Administration 34 (134).

A continuation of Business Administration 34 (134) emphasizing the theories of valuation of fixed assets and liability accounts, the application of these theories and the interpretation of financial statements prepared on the basis of these theories.

Business Administration 36 (136)—Income Tax Accounting (5-0-5). Prerequisite: Business Administration 25 (125).

A study of federal and state income tax laws and the application of these laws to the income tax returns of individuals, partnerships and corporations.

Business Administration 37 (137)—Tax Accounting (5-0-5). Prerequisite: Business Administration 36 (136).

A continuation of Business Administration 36 (136) with emphasis on corporations and fiduciary returns and social security taxes, gift taxes and estate taxes.

Business Administration 115—Business Correspondence (5-0-5). Fall.

A study of business correspondence, letters, information reports, follow-up sales programs, statistical analysis and inter-office communication. Stress is placed upon the mastery of fundamentals of clear writing.

Business Administration 129—Cost Accounting (5-0-5). Spring. Prerequisite: Business Administration 125.

Methods of determining and distributing costs in manufacturing and other concerns, stressing the securing of unit costs under both the order and the process methods.

Business Administration 131—Retail Advertising and Sales Promotion (5-0-5).

A course in retail advertising and sales promotion basically concerned with selling in the retail fields—emphasizing the psychology of advertising as a branch of sales. The course explores the various media and culminates with direct sales approaches. Primarily an advertising course, it can be easily tailored to meet the needs of the average salesman.

Business Administration 141—Advanced Accounting (5-0-5). Prerequisite: Business Administration 34 (134), 35 (135).

A study of the problems of partnerships, parent and subsidiary

accounting, consignments, installment accounting and other specialized accounting problems.

Business Administration 142—Advanced Accounting (5-0-5). Prerequisite: Business Administration 141.

A continuation of Business Administration 141.

Business Administration 143—Auditing Theory (5-0-5). Prerequisite: Business Administration 24 (124), 25 (125).

Principles governing audits and audit procedure and a study of the practical application of accounting knowledge as applied to audit procedures.

Business Administration 145—C. P. A. Review (5-0-5).

A review of the interpretation of the federal income tax law as applied to individuals, partnerships, estates and trusts; also a review of the methods of ascertaining and distributing cost in manufacturing concerns emphasizing the securing of costs under the job order, process and standard methods.

Business Administration 151—Introduction to Transportation (5-0-5). Fall.

History of transportation; developments leading to legislative supervision of railroads; developments leading to Federal regulation of carriers, other than railroads; freight classifications; principles of freight rates and tariffs.

Business Administration 152—Elementary Rates and Tariffs. (5-0-5). Winter Prerequisite: Business Administration 151 or permission of the instructor.

Shipping documents and their application; special freight services; freight claims, overcharge and loss and damage; freight tariff circulars; construction and filing of tariffs; terminal facilities and switching; and demurrage.

Business Administration 153—Intermediate Rates and Tariffs. (5-0-5). Spring. Prerequisite: Business Administration 152, or permission of instructor.

Reconsignment and diversion; transit privileges; rules governing stopping in transit shipments for partial unloading and to complete loading; weights, weighing, and payment of freight charges; warehousing and distribution; material handling; and packaging.

Business Administration 154—Advanced Rates and Tariffs. (5-0-5). Fall. Prerequisite: Business Administration 153, or permission of the instructor.

Through routes and rates; milling in transit; technical tariff and rate interpretation; overcharges and undercharges; loss and damage claims; import and export traffic; and classification committee procedure.

Business Administration 155—Interstate Commerce Law. (5-0-5). Winter. Prerequisite: Business Administration 154, or permission of the instructor.

Evolution of Interstate Commerce Act; construction of Interstate Commerce Act; interpretation and application of Interstate Commerce Act; application of penalties under the Interstate Commerce Act; creation and organization of Interstate Commerce Commission; practice before the Interstate Commerce Commission.

Business Administration 156—Interstate Commerce Commission and Public Service Commission Procedure. (5-0-5). Spring. Prerequisite: Business Administration 156, or permission of the instructor.

Practice before Interstate Commerce Commission; statutory authority for awarding damages; revision of Commission's decision; general review.

Business Administration 160—Principles of Management. (5-0-5). Prerequisite: Economics 121 and 124.

Designed to prepare students in the fundamentals of all phases of administrative, staff and operative management. Successful management principles and techniques are given for all fields of business which include; business objectives, policies, functions, executive leadership, organization structure and morale, cooperative procedure and control procedure.

Business Administration 161—Principles of Insurance. (5-0-5).

A comprehensive treatment of the insurance field; an explanation of the different types of insurance and fundamental underlying principles, the organization of the insurance business and accepted insurance practices.

Business Administration 162—Real Estate Principles. (5-0-5).

A consideration of the general principles of property utilization, the law dealing with ownership, transfer of title and liens; the appraisal process, determinants of values, the real estate cycle, management and salesmanship and regulatory legislation.

Business Administration 164—Investments. (5-0-5). Prerequisite: Economics 127.

A study of stocks and bonds, market operations, investment mathematics, investment policies and financial statements.

CHEMISTRY

Chemistry 1n—Chemistry for Nurses (4-2-5). Fall. Laboratory fee, \$2.50. Laboratory breakage, \$3.00.*

Principles of inorganic, organic and physiological chemistry with some special applications to nursing practice.

Chemistry 16 (116)—*General Inorganic* (3-3-4). Fall. Laboratory fee, \$2.50. Laboratory breakage fee, \$3.00* Prerequisite: Two years of high school algebra. Mathematics 10 or the equivalent.

The chemistry of some important metallic and non-metallic elements including a systematic treatment of chemical principles and their applications.

Chemistry 17 (117)—*General Inorganic* (3-3-4). Winter. Laboratory fee, \$2.50. Laboratory breakage fee, \$3.00* Prerequisite: Chemistry 16.

Continuation of Chemistry 16.

Chemistry 18 (118)—*General Inorganic* (3-3-4). Spring. Laboratory fee, \$2.50. Laboratory breakage fee, \$3.00.* Prerequisite: Chemistry 17 or its equivalent.

A continuation of Chemistry 16 and 17.

Chemistry 16, 17, 18 will not be offered in 1955-56.

Chemistry 14—General Inorganic (5-3-6). Winter. Laboratory fee, \$3.50. Laboratory breakage fee, \$3.00.* Prerequisite: Two years of high school algebra or Mathematics 10 or its equivalent.

The chemistry of some important metallic and non-metallic elements including a systematic treatment of chemical principles and their applications. Chemistry 14 and 15 are identical to Chemistry 16, 17 and 18.

Chemistry 15—General Inorganic (5-3-6). Spring. Laboratory fee, \$3.50. Laboratory breakage fee, \$3.00.* Prerequisite: Chemistry 14 or its equivalent.

Continuation of Chemistry 14.

Chemistry 24—Qualitative Inorganic Analysis (3-6-5). Fall. Laboratory fee, \$5.00. Laboratory breakage fee, \$5.00.* Prerequisite: Chemistry 15, 18 or its equivalent.

*Refundable at the end of each quarter if no items have been lost or broken and all requirements of the laboratory have been complied with.

A study of the fundamental theories of qualitative analysis of common cations and anions by semi-micro methods.

Chemistry 25a—Quantitative Inorganic Analysis (2-6-4). Winter. Laboratory fee, \$3.00. Laboratory breakage fee, \$5.00.* Prerequisite: Chemistry 24 or approval of the instructor.

A study of the fundamental theories and application of quantitative analysis involving volumetric and gravimetric methods with the emphasis placed on the volumetric methods. No credit is given for this course before completion of Chemistry 25b.

Chemistry 25b—Quantitative Inorganic Analysis (1-6-3). Spring. Laboratory fee, \$3.00. Laboratory breakage fee, \$5.00.* Prerequisite: Chemistry 25a or its equivalent.

The continuation of Chemistry 25a.

COMMERCE

Commerce 11a (111a)—Beginning Typing (0-5-2). Fall and Winter. Laboratory fee, \$3.50.

This course consists of introductory instruction in the technical features and care of the machine, position, fingering, proper technique and mastery of the keyboard. An average speed of 30 words a minute is attained at the end of the first quarter.

Commerce 11b (111b)—Beginning Typing Continued (0-5-2). Winter and Spring. Laboratory fee, \$3.50.

This course is a continuation of speed development. In addition, instruction in typing letters and setting up simple tabulations is given.

An average of 40 words a minute should be attained at the end of the second quarter.

Commerce 11c (111c)—Intermediate Typing. (0-5-2). Spring. Laboratory fee, \$3.50. Prerequisite: Commerce 11a-b or equivalent.

A typewriter course in which emphasis is placed on speed building and accuracy. Special typing problems such as business letters, minutes, notices, stencil cutting and carbon copies are stressed.

An average of 50 words a minute should be attained at the end of the third quarter.

Commerce 12a-b (112a-b)—Beginning Shorthand (5-0-5). Fall and Winter.

*Refundable at the end of each quarter if no items have been lost or damaged, and all requirements of the laboratory have been complied with.

Complete theory of Gregg Shorthand in the manual. Additional reading and dictation given from Speed Studies.

Commerce 12c (112c)—Intermediate Shorthand (5-0-5). Spring.

Dictation and transcription of new and studied material. Student is required to take dictation at the rate of eighty words a minute.

Commerce 13a—Burroughs Calculator and Comptometer (0-5-2). Fall. Laboratory fee, \$3.50.

The objective of this course is to build speed and accuracy in the operation of the Burroughs Calculator and Comptometer and a thorough review of business mathematics. This quarter is devoted to the operation of the four fundamentals in arithmetic on the calculator.

Commerce 13b—Burroughs Calculator and Comptometer (0-5-2). Winter. Laboratory fee, \$3.50.

The following business mathematics is reviewed and applied on the machine during this quarter: decimal equivalents, split division, invoicing over the fixed decimal, percentages, discounts, and chain discounts, costs, selling and rate of profit.

Commerce 13c—Burroughs Calculator and Comptometer (0-5-2). Spring. Laboratory fee, \$3.50.

The third quarter is a continuation of business problems on the machine. The transactions covered are reciprocals figuring grain, cipher, divisions, prorating cost and expenses, gross and dozen in invoicing inventories.

Commerce 17—Office Practice (5-0-5). Spring.

Typical business office situations are duplicated as nearly as possible. Practical problems deal with typing, operation of the mimeograph, filing and office courtesy.

Commerce 21a—Advanced Typing (0-5-2). Fall. Laboratory fee, \$3.50. Prerequisite: Commerce 11c or equivalent.

Advanced typing is a course in the acquisition of speed and accuracy including various legal forms and papers, manuscripts and business papers.

Commerce 21b—A continuation of Commerce 21a (0-5-2). Winter. Laboratory fee, \$3.50.

Commerce 21c—A continuation of Commerce 21b (0-5-2). Spring. Laboratory fee, \$3.50. An average of 60 words is attained.

Commerce 22a—Advanced Shorthand (5-0-5). Fall. Prerequisites: Commerce 12a, b, c.

A course in which the principles of Gregg Shorthand are applied in developing skill and accuracy in writing shorthand and in transcribing. The first half year is devoted to dictation of general business material; the second half, to dictation material applying to major vocations.

Commerce 22b—A continuation of Commerce 22a (5-0-5). Winter.

Commerce 22c—A continuation of Commerce 22b (5-0-5). Spring.
A speed of 120 words a minute is required.

Commerce 23a—Advanced Calculator and Comptometer (0-5-2). Fall. Laboratory fee, \$3.50.

The next two quarters are devoted to the application of the machine and business mathematics to the following businesses: drugs, hardware, electrical, plumbing, contracting, wholesale paper, pay roll, packing house, creameries and dairies, laundries, steel and iron department stores, banks, lumber, petroleum, railroads.

Commerce 23b—A continuation of Commerce 23a (0-5-2). Winter. Laboratory fee \$3.50.

Commerce 23c—Advanced Calculator and Comptometer (0-5-2). Spring. Laboratory fee, \$3.50.

Speed, skill and accuracy in the operation of the machine are stressed in this last period.

ECONOMICS

Economics 21 (121)—Principles and Problems of Economics (5-0-5). Fall.

A study of the principles behind the economic institutions of the present time and an examination of some of the economic problems in the modern world.

Economics 24 (124)—Principles and Problems of Economics (5-0-5). Winter. Prerequisite: Economics 21.

A continuation of the study of economic principles and problems begun in Economics 21.

Economics 125—Elementary Economic Statistics (5-0-5).

An introduction to presentation and analysis of quantitative economic data. Statistical sources, table reading, chart making; elementary statistical procedures and their economic interpretation; introduction to index and time series analysis.

Economics 126—American Economic History (5-0-5).

The growth and development of economic institutions in the United States from the colonial period to the present with major emphasis on the period since 1860. It will deal with agriculture, industry, labor, domestic and foreign commerce, transportation, money and banking, and finance.

Economics 127—Money and Banking (5-0-5).

The role of money in the economic organization; monetary theory; methods of stabilizing the price level; the integration of financial institutions; theory of bank deposits and elasticity of bank currency; discount policy and the interest rate of central banks; methods of regulating credit and business activities.

Economics 128—Principles of Marketing (5-0-5). Prerequisite: Economics 124.

Principles and methods involved in the movement of goods and services from producers to consumers; marketing functions; marketing manufactured goods, raw materials and agricultural products; proposals for improving the marketing structure.

Economics 129—Labor Economics (5-0-5).

An analysis of the background and origin of our modern labor organizations and their remarkable growth in recent years.

Special emphasis is placed on the social and economic aspects of our labor problems including the study of wages, working conditions, unemployment problems, the movement toward shorter hours, workers welfare plans, labor organizations and the outlook for future developments along these lines.

Economics 130—Personnel Administration (5-0-5). Spring. Prerequisites: Elementary Psychology and Economics.

A study of the principles and practices in the field of the administration of human relations and industry. Emphasis is given to scientific techniques and devices in the development of a well-rounded personnel program.

Economics 131—Government and Business (5-0-5).

A general survey of the economic aspects of business regulation by the government, with specific reference to regulatory developments and methods in the United States; other activities affecting business in general, as extension of loans and subsidies, maintenance of fact-finding agencies and government owned corporations.

ENGINEERING

Engineering 11 (111)—Engineering Drawing (0-6-3). Fall.

Topics of study include lettering; the use of the instruments; orthographic projection; auxiliary views; sections and conventions.

Engineering 12 (112)—Engineering Drawing (0-6-3). Winter.
Prerequisite: Engineering 11.

Topics of study include drawing conventions; dimensions; pictorial representation; threads and fastenings; shop processes; technical sketching; working drawings; pencil tracing on paper, reproduction processes.

Engineering 112a—Engineering Drawing (0-3-1½). Summer.

Topics of study include drawing conventions; dimensions; pictorial representation; threads and fastenings; shop processes; technical sketching; working drawings; pencil tracing on paper, reproduction processes.

Engineering 112b—Engineering Drawing (0-3-1½). Summer.

Continuation of Engineering 112a.

Engineering 13 (113)—Engineering Drawing (0-6-3). Spring.
Prerequisite: Engineering 12.

Topics of study include technical sketching of piping and fittings; working drawings; ink tracing on cloth; working drawings from assemblies and assemblies from working drawings.

Engineering 19 (119)—Applied Descriptive Geometry (0-6-3). Spring. Prerequisite: Engineering 12.

Topics of study include the solution of problems involving points, lines, and planes by use of auxiliary views; the solution of problems involving points, lines, and planes by revolution methods; simple intersections; developments of surfaces; an introduction to warped surfaces. Practical applications are emphasized.

Engineering 126—Plane Surveying (1-3-2). Summer. Prerequisite: Mathematics 17.

The theory of practice in chaining, differential and profile leveling, traversing, topographic surveying, reduction and plotting of field notes and mapping.

ENGLISH

English 11—Freshman English (3-0-3). Fall.

A survey of Western Literature, in which books are read complete, rather than in selections; a review of grammar and practices in written English is also undertaken. English 11-12-13 integrates with

History 11-12-13 for the entire Freshman year. The discussion method is consistently used throughout the year.

English 12—A continuation of English 11 (3-0-3). Winter.

English 13—A continuation of English 12 (3-0-3). Spring. English 11-12-13 will not be offered in 1955-56.

English 14—Freshman English (5-0-5). Fall, Winter, and Spring.

This course covers a review of punctuation and the fundamentals of grammar, theme writing and vocabulary building. The student also reads and discusses selections from the Greek drama and the *Odyssey*.

English 15—A continuation of English 14 (5-0-5). Winter and Spring.

Selections from the work of some of the most prominent figures of the western world are read and discussed. Theme writing and the study of grammar are continued.

English 14 and 15 will be offered in 1955-1956 in place of English 11-12-13.

English 20—Grammar and Composition (5-0-5). Fall.

A general review of grammar, composition and vocabulary. The students will have practice in writing themes, making oral reports, and in writing business letters. Several books will be assigned for outside reading and discussion.

English 21 (121)—Sophomore English—World Literature (5-0-5). Fall and Winter.

A study is made of some of the works of Shakespeare, Goethe's *Faust*, and selections from the Bible.

English 22 (122)—Sophomore English—World Literature (5-0-5). Winter and Spring.

Selected modern poetry, drama and novels are read, both American and European.

English 24—An Introduction to Poetry (5-0-5). Spring.

A study of the various types and forms of poetry with special emphasis on more recent poetry.

English 25—American Literature (5-0-5). Fall. (Not offered in 1955-56.)

A survey of American literature and culture. Each student is asked to select one particular period or area or author for concentra-

tion, making reports and writing papers in that phase of the work. The course is primarily conducted by reading and discussion.

English 27—Modern Drama (5-0-5). Fall.

Class reading and discussion of modern plays from Ibsen's "Ghosts" to Miller's "Death of a Salesman." The course is centered on appreciation of drama and improving of oral interpretation through reading selected plays aloud.

English 28—Fundamentals of Speech (5-0-5). Winter.

Basic principles and practices of speech. The course gives some attention to the physiological make-up of the speech mechanism, phonetics, gesture, articulation, pronunciation, and regional speech differences. However, it consists primarily of practicing the fundamentals of speech through a wide variety of formal, informal, extemporaneous, impromptu, and group participation speech exercises.

English 29—Play Production (2-6-5). Spring.

A study and practical application of the fundamentals involved in staging drama: selecting a script, casting, rehearsal, set design, and construction, properties, costuming, make-up, box-office, etc. Laboratory hours are scheduled by agreement between student and instructor but consist primarily of directed work on productions of the *Armstrong Masquers*.

English 111x—Freshman English (5-0-5).

This course covers a review of punctuation and the fundamentals of grammar, theme writing and vocabulary building. The student also reads and discusses selections from the Greek drama and the *Odyssey*.

English 112y—A continuation of English 111x (5-0-5).

Selections from the work of some of the most prominent figures of the western world are read and discussed. Theme writing and the study of grammar are continued.

FRENCH

French 11-12 (111-112)—Elementary French (5-0-5). Fall and Winter.

A course for beginners. The spoken language is studied as well as grammar and reading.

French 21(121)—Intermediate French (5-0-5). Spring. Prerequisite: Two quarters of college French or two years of high school French.

Review grammar, oral practice, reading of selected texts.

French 22 (122)—Intermediate French, continued (5-0-5). Winter.
Prerequisite: Three quarters of College French or three years of high school French.

Further reading of texts, oral and composition practice.

French 23—French Literature of the Nineteenth Century (5-0-5).
Prerequisite: French 22. (Not offered in 1955-1956.)

A survey course. Reading of texts, written and oral reports on collateral reading.

French 24—French Classical Drama (5-0-5). Spring. Prerequisite: French 22.

Selected plays of Corneille, Moliere and Racine.

GEOGRAPHY

Geography 111—World Human Geography (5-0-5). Fall and Summer.

A survey of world human geography, emphasizing population characteristics, topographic features, distribution of economic activities and geo-political problems within the major geographical regions. Consideration of adequacy of resources to support expanding world populations.

GERMAN

German 111—Beginning German (5-0-5). Fall.

Elements of the grammar, reading of simple texts and speaking.

German 112—Elementary German (5-0-5). Winter.

Grammar, more reading of selected texts and speaking.

German 121—Intermediate German (5-0-5). Spring.

Grammar review. Reading of short stories and German magazines. Composition and conversation.

HEALTH

Health 111—Personal and Community Health Problems (5-0-5).

This course considers the meaning of health and factors influencing health behavior; health problems as related to the individual; overview of world, national, state and local health problems; community health

organizations: mobilizing and evaluating community health resources. The legal aspects in community health and the laws governing reportable diseases is given special attention.

HISTORY

History 11—An Historical Introduction to Contemporary Civilization (3-0-3). Fall.

This course, required of all students seeking an Associate Degree from Armstrong College of Savannah, comprises a chronological survey of the main currents of political, social, religious and philosophical activity in Western Civilization from the period of the sixth century in Greece to the present time.

History 12—A continuation of History 11 (3-0-3). Winter.

History 13—A continuation of History 12 (3-0-3). Spring.

In addition to a chronological treatment of events studied in the above course, the dynamics of Western Civilization are studied in the works of the following authors: Plato, Lucretius, Dante, Machiavelli, Descartes, Locke, Jefferson, Rousseau, Adam Smith, Malthus, Bentham; Marx, and others.

History 11-12-13 will not be offered in 1955-56.

History 14—An Historical Introduction to Contemporary Civilization (5-0-5). Fall, Winter, and Spring.

This course comprises a chronological survey of the main currents of political, social, religious and philosophical activity in Western Civilization from the period of the sixth century in Greece to the present time.

History 15—A continuation of History 14 (5-0-5). Winter and Spring.

In addition to a chronological treatment of events studied in the above courses, the dynamics of Western Civilization are studied in works of the following authors: Plato, Lucretius, Dante, Machiavelli, Descartes, Locke, Jefferson, Rousseau, Adam Smith, Malthus, Bentham, Marx and others.

History 14 and 15 will be offered in 1955-1956 in place of History 11-12-13.

History 25 (125)—Recent European History (5-0-5). Winter.

This course is designed to provide an opportunity for detailed study of major national and international developments in European affairs from about 1870 to the present time. Special emphasis is de-

voted to the first World War and new developments in Europe following that war and the complex of world events which preceded the Second World War.

History 26 (126)—Recent American History (5-0-5). Fall.

This course has as its purpose the examination of the most important events and movements, political, social and cultural, in American life from about 1865 to the present time.

History 111x—An Historical Introduction to Contemporary Civilization (5-0-5).

This course comprises a chronological survey of the main currents of political, social, religious and philosophical activity in Western Civilization from the period of the sixth century in Greece to the present time.

History 112y—A continuation of History 111x (5-0-5).

In addition to a chronological treatment of events studied in the above courses, the dynamics of Western Civilization are studied in works of the following authors: Plato, Lucretius, Dante, Machiavelli, Descartes, Locke, Jefferson, Rousseau, Adam Smith, Malthus, Bentham, Marx, and others.

HOME ECONOMICS

Home Economics 10—Orientation: Careers and Personal Development (5-0-5). Fall.

The many opportunities available in the field, such as food specialists, nutrition experts, nursery school teachers, marriage counselors and others will be discussed. Professional experts in these fields will visit the class to show the many vocations dealing with the home.

Home Economics 10b—Orientation: Personal Development (3-0-3). Winter.

How to be more attractive through personal grooming and what is appropriate in manners and dress on various social occasions are emphasized.

Home Economics 1n—Nutrition and Food Preparation (3-2-4). Winter. Laboratory fee, \$4.00.

A study of the laws governing the food requirements of human beings for maintenance of growth, activity, reproduction, and lactation. Complete meals are prepared and served in each laboratory period.

Home Economics 11 (111)—Clothing (2-6-5). Winter.

Planning and making individual wardrobes. Fashions, design and fabrics are studied. Laboratory fee, \$2.00.

Home Economics 12—Foods (3-4-5). Spring. Laboratory fee, \$7.00.

This course is based on the human food needs. Preparation and attractive serving of meals is studied.

Home Economics 21—Home Furnishings (4-2-5). Winter. Laboratory fee, \$2.50.

The interior and exterior planning of the home is studied. Emphasis is placed on style of furniture, color and decoration fabrics used in the home.

Home Economics 23—Elementary Textiles and Clothing for the Family (2-6-5). Spring. Laboratory fee, \$2.00.

Practical application of elementary textile study to the selection and use of clothing for the family.

Home Economics 24—Family Fundamentals (5-0-5). Fall.

A course in the family with the problems that one faces in the preparation for children and the adjustment to these children.

LIBRARY SCIENCE

Library Science 11—Library Usage.

A one hour course in the use of the Library. Required of all students who have not had the equivalent. A practical survey of library books, resources, tools and services, designed to aid the college student in his study, research, and recreational reading. Practice in the use of the card catalog, Reader's Guide and Reference books. Preparation of a bibliography by methods of research.

MATHEMATICS

Mathematics 10 (110)—Basic Skills in Mathematics (5-0-5). Fall and Spring.

(Not open to students who have high school credit for two years of algebra and one of plane geometry.)

This course provides an opportunity for the student to acquire basic skills in mathematics necessary to meet the common demands of various college programs.

Topics from plane geometry include the properties of such geometric figures as polygons, triangles and circles.

Topics from algebra include fractions, signed numbers, linear equations, ratio, proportions, variation, and graphs.

Mathematics 16 (116)—College Algebra (5-0-5). Fall and Winter. Prerequisite: Two years of high school algebra and one of plane geometry, or Mathematics 10.

The course consists of functions and graphs, logarithms, linear and quadratic equations, the binomial theorem, complex numbers and the elementary theory of equations.

Mathematics 17 (117)—Trigonometry (5-0-5). Winter and Spring. Prerequisite: Mathematics 16.

A course covering the solution of the right and general triangle, the general solution of trigonometric equations, trigonometric identities, polar coordinates.

Mathematics 18 (118)—Plane Analytic Geometry (5-0-5). Spring. Prerequisite: Mathematics 17.

Analytic geometry of the point and the line, elementary conic sections, polar coordinates, transcendental curves and transformation of coordinates.

Mathematics 19 (119)—Mathematics of Finance (5-0-5). Spring. Prerequisite: Mathematics 16.

This course gives that background necessary for dealing with problems found in banking, real estate, financing, and accounting; the operation of the compound-interest law in business; simple problems concerning bonds, sinking funds, valuation of properties and annuities. Practical problems in these fields will be emphasized. The necessary aids and short cuts and use of tables and logarithms will be studied.

Mathematics 21 (121)—Calculus (5-0-5). Fall Prerequisite: Mathematics 18.

This course includes the differentiation and integration of polynomials, problems in maxima and minima, approximations by differentials, areas, volumes, centroids, moment of inertia and work.

Mathematics 22 (122)—Calculus (5-0-5). Winter.

Prerequisite: Mathematics 21.

A continuation of Mathematics 21. This course includes differentiation of transcendental functions with application to rates, velocity and acceleration, curvature and Newton's Method. It also includes formulas and methods of integration.

Mathematics 23 (123)—Calculus (5-0-5). Spring.

Prerequisite: Mathematics 22.

A continuation of Mathematics 22. This course includes Simpson's rule, indeterminate forms, series, hyperbolic functions, partial derivatives and multiple integrals.

Mathematics 114—The Slide Rule (1-2-2). Fall, Spring and Summer.

An intensive study and practice in the use of all scales including the solutions of problems using the trigonometric scales.

MUSIC

Music 11—Elementary and Sight Reading (5-0-5). Fall.

A course designed to teach the student to read music at sight and to understand the fundamental principles of music theory. Melodic dictation, melody writing and an introduction to elementary harmony are included.

Music 12—Theory and Harmony (5-0-5). Winter. Prerequisite: Music 11.

A continuation of Music 11, with emphasis on harmony, harmonic dictation, four-part harmonic writing.

Music 20—Music Appreciation (5-0-5). Spring.

A course designed to help the student understand and enjoy fine music. Analysis of form, style and mediums of musical expression from the great periods of musical art. Lectures, discussions and recorded sessions comprise the course.

Music 115-116-117—Appreciation of Music (2-0-2). Fall, Winter and Spring.

Courses designed for the musically untrained who wish an intelligent understanding of the art of music. Lectures, discussions and recorded listening sessions comprise the course.

PHILOSOPHY

Philosophy 111-112-113 (2-0-2). *Introduction to Philosophy*. Fall, Winter and Spring.

An informal discussion of the thinking of certain Greek, Roman, Early Christian, Renaissance and modern writers.

Philosophy 114-115-116 (2-0-2) *Seminar in Philosophy*. Fall, Winter and Spring. (Not offered in 1955-56.)

Seminar in philosophy discussing the ideas as developed in the writings of Plato, Aristotle, Suetonius, Montaigne, Pascal, de Tocqueville, Freud Reisman, Lawrence, and others.

PHYSICAL EDUCATION

Physical Education 11—Conditioning Course (0-3-1). Fall.

Consists of calisthenics, stunts and tumbling, lifts and carries, road work, dual combatives, and simple games.

Physical Education 12—Team Sports (0-3-1). Winter.

Consists of basketball, soccer, speedball and volleyball.

Physical Education 13—Elementary Swimming (0-3-1). Spring.

Physical Education 14—Officiating of Basketball (1-3-2). Winter.
Prerequisite: P. E. 12 or the equivalent.

Consists of a study of rules interpretation and actual experience in coaching and officiating in class and intramural games. Elective credit, except when substituted for P. E. 12.

Physical Education 20—First Aid and Safety Education (4-0-3). Winter. Elective Credit.

The American Red Cross standard course in first aid is followed by a broad consideration of the opportunities for safety teaching in the school program.

Physical Education 21—Elementary Tennis (0-3-1). Fall.

Physical Education 22 — Elementary Boxing for Men (0-3-1). Winter.

Physical Education 23—Senior Life Saving and Instructors' Course in Swimming (2-3-2). Spring.

Physical Education 24—Boxing for Teachers (2-3-2). Winter.

Physical Education 25—Folk Rhythms (0-3-1). Fall.

Physical Education 26 — Modern Dance for Women (0-3-1). Winter.

Physical Education 27—Tap Dance for Beginners (0-3-1). Winter.

Physical Education 28—Adult Recreative Sports (0-3-1). Spring.

Consists of passive, semi-active and active games and sports which have carry-over value for later life.

Physical Education 29—Folk Rhythms for Teachers (2-3-2). Fall.

This course consists of advance training in folk dances and practice teaching of those dances.

Physical Education 30—Archery (0-3-1). Spring.

PHYSICAL SCIENCE

Physical Science 11 (111) (5-0-5). Fall. No prerequisite.

A study of the scientific method and its use in the attempt of man to describe and explain the nature of the physical universe. This will include the study of fundamentals of physics and astronomy with some example of the applications of this knowledge in providing a better living for man. An attempt is made to go from the study of the large universe to the study of the small fundamental particles of which this universe is composed.

Physical Science 12 (112) (5-0-5). Winter. Prerequisite: Physical Science 11.

A continuation of Physical Science 11. In this course emphasis is placed on the study of the principles of inorganic and organic chemistry with some example of the application of chemistry in household, industry, medicine, biology, geology, etc. Here the knowledge of the structure of the fundamental particles of matter (atoms and molecules) is used in the study of the classification of the simple components of matter (elements) and the changes which they undergo to form more complex substances (compounds).

PHYSICS

Physics 11 (111)—*General Physics* (5-2-6). Winter. Laboratory fee, \$2.50. Prerequisite: a course in college mathematics or consent of the instructor.

Lectures, demonstrations, recitations and laboratory work covering the fields of mechanics and heat.

Physics 12 (112)—*General Physics* (5-2-6). Spring. Laboratory fee, \$2.50. Prerequisite: Physics 11 or consent of the instructor.

Lectures, demonstrations, recitations and laboratory work covering the fields of electricity, sound and light.

Physics 21 (121)—*Mechanics* (5-3-6). Fall.

Laboratory fee: \$2.50. Prerequisite: Mathematics 13.

An intensive course in mechanics. The course includes the study of statics, kinetics, energy, power, friction, machines, elasticity, hydrostatics and mechanics of gases.

Physics 22 (122)—Electricity (5-3-6). Winter.

Laboratory fee: \$2.50. Prerequisites: Mathematics 21 and Physics 21.

The course includes the study of magnetism, electrostatics, current electricity and its effect and some electrical instruments.

Physics 23 (123)—Heat, Sound and Light (5-3-6). Spring.

Laboratory fee: \$2.50. Prerequisites: Mathematics 21 and Physics 22.

This course includes basic concepts in heat and thermodynamics, sound, properties of light and a study of some optical instruments.

POLITICAL SCIENCE

Political Science 12 (112)—The Governments of Foreign Powers (5-0-5).

A study is made of the leading modern political theories, and attention is paid to the structure and powers of the major foreign governments. (Not offered in day session 1955-1956.)

Political Science 13 (113)—Government of the United States (5-0-5). Fall, Winter and Spring.

A study is made of the structure, theory, workings of the national government in the United States and some of the major problems of the state and local government. The course shows how developmental practice has created our government as it stands today.

PSYCHOLOGY

Psychology 1n (5-0-5).

This course is an introduction to the study of human behavior with emphasis on the underlying principles of mental adjustments. The importance of the nurses' own personality is stressed.

Psychology 21 (121)—Introductory Psychology (5-0-5). Fall and Winter.

In this course human behavior is analyzed into its elementary functions of learning, feeling, thinking, maturation, motives and conflicts. Facts and principles from scientific research in psychology are used for understanding these functions and for measuring individual differences in ability, personality and development. Standardized experiments and the student's own experiences are used to explore and apply the facts in this field.

Psychology 22 (122)—Social Psychology (5-0-5). Spring. Prerequisite: Psychology 21.

This course provides a study of the interactions between the individual and his social groups. Basic psychological process of sensory-perceptual behavior, motivation, learning and thinking are studied as they affect an individual's adjustment to the social groups and institutions of our culture. Special attention is given to a study of group membership, leadership, development of attitudes and values, public opinion, propaganda, prejudice and other inter-group tensions.

Psychology 23 (123)—Child Psychology (5-0-5). Spring. Prerequisite: Psychology 21.

This course offers a study of the developmental factors operating in a child's experience which make for, or interfere with, effective expression of his capacities and adjustments to life situations. Sources are drawn from experimental research and from findings of analytic psychology. Direct observation of children individually and in a nursery is used as a source of class discussion.

Psychology 25 (125)—Psychology of Adjustment. (5-0-5). Fall.

The class setting is used in this course for direct experience of the use of group discussion for self-understanding. This is supplemented by systematic written self-analysis.

SOCIAL SCIENCE

Social Science 104—Contemporary Georgia (5-0-5). Winter and Summer.

A study of current economic and social statistics as pertaining to agriculture, industry and commerce; population trends and governmental organizations and problems.

SOCIOLOGY

Sociology 1n—Elementary Sociology (5-0-5). Fall.

This course considers (1) the principles of sociology; (2) the nurse as a citizen of the community and as a professional worker; (3) the importance of the hospital among the social agencies in the community; (4) the patient in the hospital coming from the family and returning to the family.

Sociology 20 (120)—Introductory Sociology (5-0-5). Winter.

A study of the principles of social organizations in American cul-

ture based on scientific studies of groups, "races", population and of the institutionalized functions of society.

Sociology 21 (121)—Marriage and the Family (5-0-5). Winter and Spring.

This course introduces the family as an institution in various cultures as a setting for studying the institutional characteristics of the modern American family. This is followed by analysis of personality development basic to mature marital love, choice of a mate, marital adjustment, parenthood, family administration, and sociological trends for family stability, family disorganization and adjustment of the aging.

SPANISH

Spanish 111-112—Elementary (5-0-5). Fall and Winter.

These courses are for the purpose of providing the student with the elements of Spanish reading, composition and conversation.

Spanish 121—Intermediate Spanish (5-0-5). Fall and Spring.

This course gives the student an opportunity to review the elements of Spanish grammar and to delve into the fine points of the language.

Spanish 122—Advanced Spanish (5-0-5).

The purpose of this course is to increase the students' facility in writing and speaking Spanish. Selected masterpieces of Spanish literature and current Spanish newspapers are read.

UNIVERSITY OF GEORGIA EXTENSION COURSES

In the fall of 1955, the Continuing Education Center at the University of Georgia found it necessary to raise the fees for extension courses to meet the increased cost of instruction. The student will be assessed five dollars and sixty cents (\$5.60) for *each* quarter hour of extension work, or twenty-eight dollars (\$28.00 for *each* five quarter-hour course. A registration fee of \$1.00 per student per quarter will be charged for University of Georgia Extension courses. The classes listed below are University of Georgia Extension courses.

BUSINESS ADMINISTRATION AND ECONOMICS

Business Administration	E-311	Introductory Cost Accounting	(5-0-5)
Business Administration	E-351	Principles of	
		Organization & Management	(5-0-5)
Business Administration	E-370	Business Law, first	(5-0-5)
Business Administration	E-371	Business Law, second	(5-0-5)
Business Administration	E-390	Real Estate Principles	(5-0-5)
Business Administration	E-515	Income Tax Accounting	(5-0-5)
Business Administration	E-519	Tax Accounting	(5-0-5)

Economics	E-312	Elementary Economic Statistics	(5-0-5)
Economics	E-326	Money and Banking	(5-0-5)
Economics	E-333	American Economic History	(5-0-5)
Economics	E-360	Principles of Marketing	(5-0-5)
Economics	E-386	Labor Economics	(5-0-5)
Economics	E-431	Investments	(5-0-5)
Economics	E-444	Government and Business	(5-0-5)

CLASSICS

Classical Culture	E-301x	Greek Culture	(5-0-5)
Classical Culture	E-301y	Latin Culture	(5-0-5)

EDUCATION

Education	E-344	Health Education in Public Schools	(5-0-5)
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ENGLISH

English	E-303	English Literature to 1800	(5-0-5)
English	E-304	English Literature after 1800	(5-0-5)
English	E-343	Contemporary Drama	(5-0-5)
English	E-411	Children's Literature	(5-0-5)

GEOGRAPHY

Geography	E-101	World Human Geography	(5-0-5)
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HISTORY

History	E-350x	American History to 1865	(5-0-5)
History	E-350y	American History since 1865	(5-0-5)

MATHEMATICS

Mathematics	E-102	Mathematics of Finance	(3-0-3)
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MUSIC

Music	E-302	Methods of Teaching Public School Music	(5-0-5)
Music	E-312	Public School Music For Elementary Grades	(5-0-5)

PHYSICAL SCIENCE

Physical Science	E-1	Survey	(5-0-5)
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POLITICAL SCIENCE

Political Science	E-1	American Government	(5-0-5)
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PSYCHOLOGY

Psychology	E-414	Psychology of Personnel	(5-0-5)
Psychology	E-423	Abnormal Psychology	(5-0-5)

SOCIAL SCIENCE

Social Science	E-4	Contemporary Georgia	(5-0-5)
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SOCIOLOGY

Sociology	E-315	The Field of Social Work	(5-0-5)
Sociology	E-360	Contemporary Social Problems	(5-0-5)

SPEECH

Speech	E-8	Fundamentals of Speech	(5-0-5)
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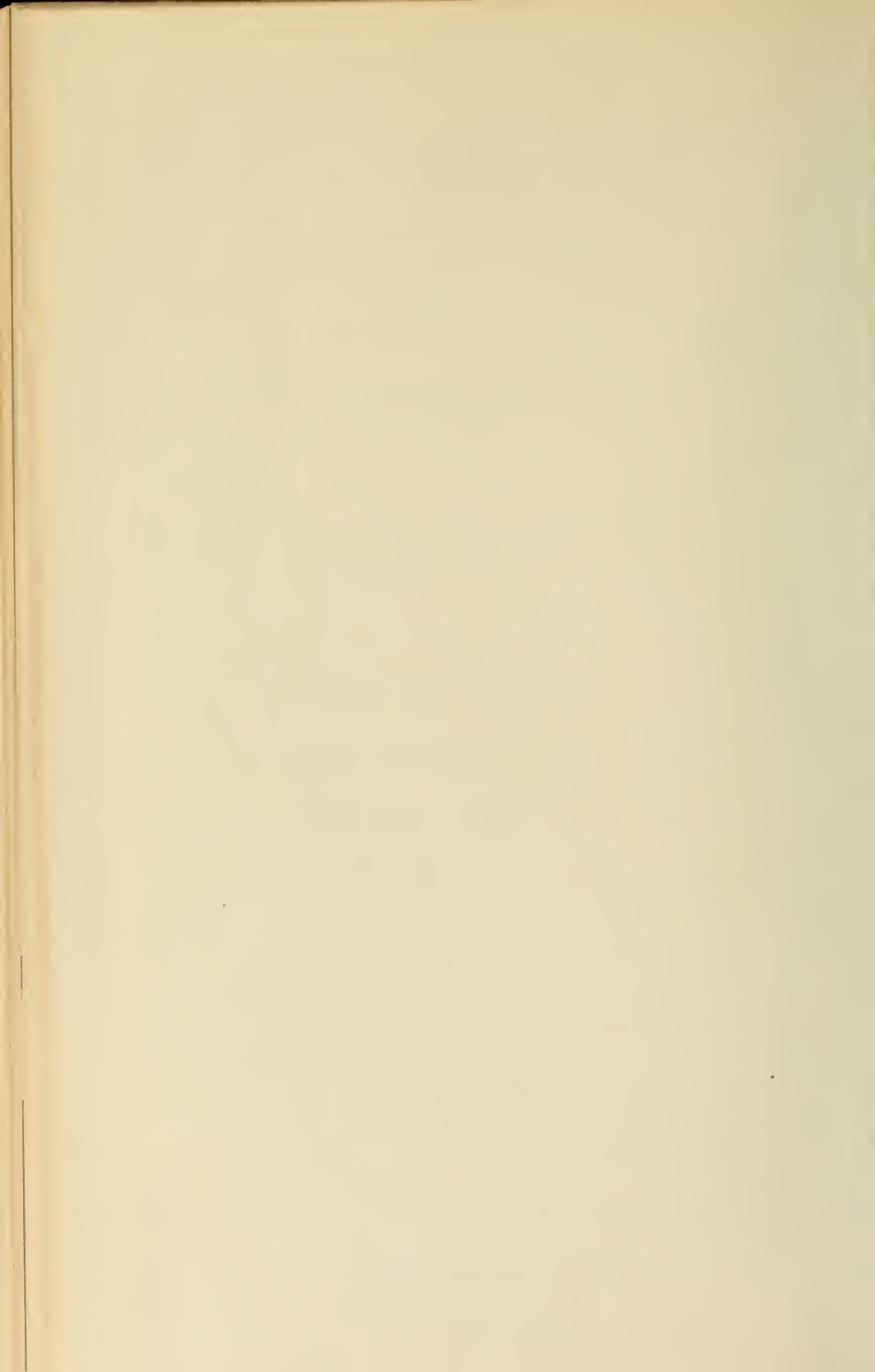
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